

DPS series high-precision programmable DC power supply

10kW/15kW/20KW/25KW/30KW/35KW/40KW in 2U/3U/4U/5U/6U/7U/8U Height



DPS series high-precision programmable DC power supply



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Product introduction

DPS series high-precision programmable DC power supply is a cost-effective product with high-quality, high-power-density, multi-function, launched by our company to meet the needs of our customers. It operates in the mode of multi-module combined master-slave parallel connection. Disconnecting the parallel signal line of the faulty module will not affect the normal operation of the whole machine, when any slave module fails. The maximum power of 1U model can reach 5KW, and the weight is only 7.5Kg. The specification voltage of this series of products can reach up to 3050V, and the maximum current can reach 525A. It built-in PFC power factor correction circuit, and the input voltage can meet the wide range of applications in the global power grid.

This series of power supply has constant voltage (CV) and constant current (CC) operating modes, and automatically switches between operating modes. It also has built-in user-settable constant power (CP) limit mode, built-in analog program control (5V/10V/5K/10K) signal, USB, LAN, CAN, RS-232/485 communication interface, and supports Modbus-RTU and SCPI industry standard communication protocol. Users can enter the menu to select their own protocol and communication mode as required.

Product features

| 19" rack mount capability for ATE and OEM application | High resolution 16 bit ADC& DAC |
|---|--|
| Active PFC (0.94 typical) | LIST programming dynamic output |
| Output Voltage up to3050V, Current up to 10KA | CV/CC/CP operation modes |
| Built-in LAN, USB, RS-232/RS-485,CAN Interface | Voltage and current slope control |
| OLED display screen with 5-digit display | Internal resistance programming simulation |
| Finally set the memory function; Timer function | Support Modbus-RTU & SCPI industry communication protocols |
| Automatic start/safe start: user selectable | Isolation analog programming and monitoring |



Product selection function and optional model description



Quick selection table

DPS80-130===80V/130A

2U-6800W series

| DPS10-680===10V/680A | DPS100-68===100V/68A | DPS1000-6.8===1000V/6.8A |
|-----------------------|--|---|
| DPS20-340===20V/340A | DPS150-46===150V/46A | DPS1200-5.6===1200V/5.6A |
| DPS30-225===30V/225A | DPS200-34===200V/34A | DPS1500-4.6===1500V/4.6A |
| DPS40-170===40V/170A | DPS300-23===300V/23A | DPS2000-3.4===2000V/3.4A |
| DPS50-136===50V/136A | DPS400-17===400V/17A | DPS2500-2.7===2500V/2.7A |
| DPS60-113===60V/113A | DPS500-13.6==500V/13.6A | DPS3000-2.2===3000V/2.2A |
| DPS80-85====80V/85A | DPS600-11.5==600V/11.5A | |
| 2U-10KW series | | |
| DPS10-1000==10V/1000A | DPS100-100==100V/100A | DPS1000-10==1000V/10A |
| DPS20-500===20V/500A | DPS150-68===150V/68A | DPS1200-8.5==1200V/8.5A |
| DPS30-340===30V/340A | DPS200-50===200V/50A | DPS1500-6.8==1500V/6.8A |
| DPS40-250===40V/250A | | |
| | DPS300-34===300V/34A | DPS2000-5===2000V/5A |
| DPS50-200===50V/200A | DPS300-34===300V/34A DPS400-25===400V/25A | DPS2000-5===2000V/5A DPS2500-4===2500V/4A |

Note: Please determine the model suffix letter according to the actual input voltage and temperature class requirements, when you place an order.

DPS600-17===600V/17A

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| J 3U-15KW series | | |
|-------------------------|-------------------------|---------------------------|
| DPS10-1500==10V/1500A | DPS100-150==100V/150A | DPS1000-15==1000V/15A |
| DPS20-750===20V/750A | DPS150-102==150V/102A | DPS1200-13==1200V/13A |
| DPS30-510===30V/510A | DPS200-75===200V/75A | DPS1500-10==1500V/10A |
| DPS40-375===40V/375A | DPS300-51===300V/51A | DPS2000-7.5==2000V/7.5A |
| DPS50-300===50V/300A | DPS400-38===400V/38A | DPS2500-6===2500V/6A |
| DPS60-255===60V/255A | DPS500-30===500V/30A | DPS3000-5===3000V/5A |
| DPS80-195===80V/195A | DPS600-25.5==600V/25.5A | |
| 4U-20KW series | | |
| DPS10-2000==10V/2000A | DPS100-200==100V/200A | DPS1000-20===1000V/20A |
| DPS20-1000===20V/1000A | DPS150-136==150V/136A | DPS1200-17===1200V/17A |
| DPS30-680===30V/680A | DPS200-100==200V/100A | DPS1500-13.6==1500V/13.6A |
| DPS40-500===40V/500A | DPS300-68===300V/68A | DPS2000-10===2000V/10A |
| DPS50-400===50V/400A | DPS400-50===400V/50A | DPS2500-8===2500V/8A |
| DPS60-340===60V/340A | DPS500-40===500V/40A | DPS3000-6.8===3000V/6.8A |
| DPS80-260===80V/260A | DPS600-34===600V/34A | |
| I 5U-25KW series | | |
| DPS10-2500==10V/2500A | DPS100-250==100V/250A | DPS1000-25===1000V/25A |
| DPS20-1250==20V/1250A | | DPS1200-21===1200V/21A |
| DPS30-850===30V/850A | DPS200-125===200V/125A | |
| DPS40-625===40V/625A | DPS300-85===300V/85A | |
| DPS50-500===50V/500A | DPS400-63===400V/63A | |
| | DPS500-50===500V/50A | |
| DPS80-325===80V/325A | | |

Note: 1. Please determine the model suffix letter according to the actual input voltage and temperature class requirements, when you place an order.

2. For other specifications, please contact us for consultation. The maximum power can reach 100KW.

Specifications

DPS 6800W series technical indicators (10V-200V)

| | | | | | | | | | | | | 1 | |
|---|---------------------------------------|----------|---|--|---|--|--------------------|--------------------|------------------|--------------------|--------------------|---------|--|
| OUTPUT RATIN | ٨G | | 10-680 | 20-340 | 30-225 | 40-170 | 50-136 | 60-113 | 80-85 | 100-68 | 150-46 | 200-34 | |
| Voltage adjustable | range (*1) | V | 0~10.5 | 0~21 | 0~32 | 0~42 | 0~53 | 0~63 | 0~84 | 0~105 | 0~158 | 0~210 | |
| Current adjustable | range (*2) | А | 0~714(*8) | 0~360 | 0~240 | 0~180 | 0~144 | 0~120 | 0~88 | 0~72 | 0~48 | 0~36 | |
| Rated power (OPP=105% of rat | ted value) | W | 6800 | 6800 | 6750 | 6800 | 6800 | 6780 | 6800 | 6800 | 6900 | 6800 | |
| INPUT CHARAG | CTERISTICS | | 10-680 | 20-340 | 30-225 | 40-170 | 50-136 | 60-113 | 80-85 | 100-68 | 150-46 | 200-34 | |
| | | | B: Single pha | B: Single phase 170~265Vac | | | | | | | | | |
| Input voltage/freq | uency | | C: Three-pha | C: Three-phase 170~265Vac (3W+G) / 47~63Hz | | | | | | | | | |
| input voltage/neq | uency | | D: Three-pha | se 342~460Vac (| 3W+G) / 47~63I | Ηz | | | | | | | |
| | | | E: Three-phas | E: Three-phase 342~528Vac (3W+G) / 47~63Hz | | | | | | | | | |
| Power Factor (Typ Efficiency at 200 | · · · · · · · · · · · · · · · · · · · | | 0.94@200/380 | Vac, rated outp | ut power. | | | | | | | | |
| rated output | | % | 88 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | |
| CONSTANT VO | LTAGE MOD | ЭE | 10-680 | 20-340 | 30-225 | 40-170 | 50-136 | 60-113 | 80-85 | 100-68 | 150-46 | 200-34 | |
| Max. Line regulati | ion (*3) | | 0.01% of rated | l output voltage | | | | | | | | | |
| Max. Line regulat | ion (*4) | | 0.01% of rated | output voltage+ | 5mV | | | | | | | | |
| Ripple and noise (p-p, 20MHz) | | mV | 80 | 80 | 80 | 90 | 90 | 100 | 100 | 120 | 120 | 200 | |
| Ripple r.m.s. 5Hz- | ~1MHz | mV | 12 | 12 | 12 | 18 | 18 | 20 | 20 | 20 | 20 | 60 | |
| Temperature coeff | | | 50PPM/°C from | m rated output ve | l oltage, following | 30 minutes warr | n-up. | 1 | 1 | 1 | 1 | 1 | |
| Temperature stabil | lity | | | | | | - | ine, load & temp | | | | | |
| Warm-up drift | - | | | | t voltage+2mV o | , | 1 | , 1 | | | | | |
| Sense compensatio | on (*5) | v | 2 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| Rise response time | | mS | 30 | 30 | 30 | 30 | 30 | 50 | 50 | 50 | 50 | 50 | |
| Fall response | Full load | mS | 50 | 50 | 80 | 80 | 80 | 80 | 100 | 100 | 100 | 100 | |
| time (*7) | No load | mS | 600 | 900 | 1500 | 1500 | 2000 | 2000 | 2500 | 2500 | 3000 | 3500 | |
| Transient response | time | mS | ≤2mS (Time | for output voltag | e to recover with | in 0.5% of its rat | ed output for a lo | ad change 10~90 | % of rated outpu | t current.) | | | |
| Start up delay | | <u>≤</u> | 6S (Turn on t | he power switch, | , the time when t | the power starts | and enters stand | by mode) | | | | | |
| CONSTANT CU | RRENT MOI |)E | 10-680 | 20-340 | 30-225 | 40-170 | 50-136 | 60-113 | 80-85 | 100-68 | 150-46 | 200-34 | |
| Max. Line regulat | | | | output current. | | | | | | | | | |
| Max. Line regulat | | | | l output current. | | | | | | | | | |
| Ripple r.m.s. 5Hz- | | mA | ≤1000 | ≤500 | ≤300 | ≤150 | ≤120 | ≤100 | ≤70 | ≤45 | ≤40 | ≤30 | |
| Temperature coeff | icient | | | | from rated outpu | | | | | | | | |
| Temperature stabil | lity | | | | C from rated outp interval following | | | ine, load & temp | erature. | | | | |
| Warm-up drift | , , | | 10V~100V mc | del: Less than ± | 0.25% of rated ou | utput current over | 30 minutes follo | owing power on. | | | | | |
| • | | | | | | * | er 30 minutes fol | lowing power on | | | | | |
| ANALOG PROG | | 1 | | | | | 10 150/ - 6 | d Vout | | | | | |
| Vout voltage prog | - | | | | selectable. Accur | | | | | | | | |
| Iout voltage progra | | | | | selectable. Accur | | | | | | | | |
| Vout resistor progr | - | | | | le, user selectable | | | | | | | | |
| Iout resistor progra | - | | | | le, user selectable | - | mearny: ±0.3% 0 | n rated fout. | | | | | |
| Output voltage mo | | | | | Accuracy: ±0.5 | | | | | | | | |
| Output current mo Remote switch on | | | | | e. Accuracy: ±0.5 | | | | | | | | |
| | | | 0 | , | 0 | 1 | | | | | | | |
| FUNCTIONS AN | | | Support series/ | parallel operatio | n of the same spe | ecification and m | odel to expand vo | oltage, current an | d power; Paralle | l connection is us | ed for automatic | current | |
| Series/parallel ope | | | sharing in mas | ter-slave operation | on mode. | | | | | | | | |
| Constant power co | | | - | | ver range can be | | istant power mod | le | | | | | |
| Output resistance | control | | Emulates serie | | | | 0001 000 011 | a | | | | | |
| | | | Emulates series resistance. Resistance range: 1~1000mΩ. Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS | | | | | | | | | | |
| Voltage and cu control | rrent slope | | - | - | Four LIST program files can be saved, and each file can edit up to 200 steps of data; There are three execution modes: count, loop and single step. | | | | | | | | |
| Voltage and cu control LIST dynamic out | rrent slope | | Four LIST pro | gram files can be | | | o 200 steps of da | ta; There are thre | e execution mod | es: count, loop a | nd single step. | | |
| Voltage and cu control LIST dynamic out Timer function | rrent slope put | | Four LIST pro 0-9999 minute | gram files can be s can be set | e saved, and each | file can edit up t | | | | - | | | |
| Voltage and cu control LIST dynamic out | put c/recall | | Four LIST pro 0-9999 minute It can store 4 g | gram files can be s can be set groups of commo | e saved, and each nly used working | file can edit up t g data of voltage, | current and other | r parameters, and | can be quickly a | accessed through | the digital buttor | | |

High-quality power supply supplier

| OL | 10-680 0.05% of rated | 20-340 | 30-225 | 40-170 | 50-136 | 60-113 | 80-85 | 100-68 | 150-46 | 200-34 | |
|------------|--|--|--|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------|--|
| | | output voltage | | | | | 00 00 | | 100 10 | 200-34 | |
| | 0.1% of rated o | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | · · | | | | | | | | | |
| F.S. | 0.011% | 0.006% | 0.004% | 0.003% | 0.002% | 0.002% | 0.002% | 0.011% | 0.007% | 0.005% | |
| F.S. | 0.002% | 0.003% | 0.005% | 0.007% | 0.009% | 0.010% | 0.002% | 0.002% | 0.004% | 0.004% | |
| | Built-in USB/R | S-232/RS-485/C | AN interface, op | otional LAN inter | face;Supports M | odbus-RTU and | SCPI industry sta | andard communic | cation protocols. | | |
| AND | CONTROL | | | | | | | | | | |
| | Programmer kr | nob,digital key ar | d multi-function | ı key | | | | | | | |
| | 5 digits OLED | screen displays o | output voltage, cu | urrent, power, wo | orking status and | other information | ı; Support Chine | se and English m | enu switching di | splay. | |
| | 0.05% of rated | output voltage±1 | count. | | | | | | | | |
| | 0.1% of rated o | output current±1c | ount. | | | | | | | | |
| | 0.05% of rated | output voltage | | | | | | | | | |
| | 0.1% of rated o | output current | | | | | | | | | |
| | 5 digits OLED; | display forma | t: 99999, current | value decreases | by one digit, dec | imal point autom | atically increases | s by one digit, ma | ximum resolutio | n:1mV; 1mA | |
| | 5 digits OLED; | display forma | t: 99999, current | value decreases | by one digit, dec | imal point autom | atically increases | s by one digit, ma | ximum resolutio | n: 1mV; 1mA | |
| ITY | | | | | | | | | | | |
| °C | S: Civil grade | (0°C~+50°C) | ; G: Industrial | grade (-25°C~ | +55°C) | | | | | | |
| °C | S: Civil grade | (-20°C ~ +70°C | C); G: Industri | al grade (-30°C | ~+85°C) | | | | | | |
| % | 20~90% RH (n | o condensation). | | | | | | | | | |
| % | 10~95% RH (n | o condensation). | | | | | | | | | |
| | Forced air cool | ing by internal fa | ns. Air flow dire | ection: from Fron | t panel to power | supply rear | | | | | |
| | | | | | | | | | | | |
| mm | W420, H88, D4 | 443 (Without bus | bars and busbars | s cover), | | | | | | | |
| Kg | About 13.5Kg | | | | | | | | | | |
| | TY CC CC 2C 2C % 6 | 0.002% of rate 0.05% of rated 0.1% of rated c 0.1% of rated c 0.002% Built-in USB/R AND CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.1% of rated c 5 digits OLED 5 cigits OLED | 0.002% of rated output current 0.05% of rated output voltage 0.1% of rated output current :S. 0.011% 0.006% :S. 0.002% 0.003% Built-in USB/RS-232/RS-485/C AND CONTROL Programmer knob,digital key ar 5 digits OLED screen displays c 0.05% of rated output voltage±1 0.1% of rated output voltage 0.1% of rated output voltage 0.1% of rated output current 5 digits OLED; display format 5 digits OLED; display format 5 C S: Civil grade (-20°C ~ +50°C) C S: Civil grade (-20°C ~ +70°C) C S: Civil grade (-20°C ~ +70°C) % 20~90% RH (no condensation). Forced air cooling by internal fa Forced air cooling by internal fa | | | | | | | | |

DPS 6800W series technical indicators (300V-3000V)

| OUTPUT RATIN | G | | 300-23 | 400-17 | 500-13.6 | 600-11.2 | 1000-6.8 | 1200-5.6 | 1500-4.6 | 2000-3.4 | 2500-2.7 | 3000-2.2 | |
|-----------------------------------|-----------------------|----|--|--------------------|-------------------|---------------------|--------------------|-----------------|------------------|-------------|----------|----------|--|
| Voltage adjustable | range (*1) | v | 0~315 | 0~420 | 0~525 | 0~630 | 0~1050 | 0~1260 | 0~1575 | 0~2100 | 0~2550 | 0~3050 | |
| Current adjustable | range (*2) | А | 0~24 | 0~19 | 0~15 | 0~12 | 0~7.2 | 0~4.5 | 0~5 | 0~3.6 | 0~29 | 0~2.4 | |
| Rated power (OPP=105% of ra | ated value) | W | 6900 | 6800 | 6800 | 6720 | 6800 | 6720 | 6900 | 6800 | 6750 | 6600 | |
| INPUT CHARAC | INPUT CHARACTERISTICS | | 300-23 | 400-17 | 500-13.6 | 600-11.2 | 1000-6.8 | 1200-5.6 | 1500-4.6 | 2000-3.4 | 2500-2.7 | 3000-2.2 | |
| | | | C: Three-pha | se 170~265Vac (| 3W+G) / 47~63H | Iz | | | | | | | |
| Input voltage/frequ | iency | | D: Three-pha | se 342~460Vac (| 3W+G) / 47~63H | Iz | | | | | | | |
| | | | E: Three-pha | se 342~528Vac (. | 3W+G) / 47~63H | ĺz | | | | | | | |
| Power Factor (Typ |) | | 0.94@200/380 | Vac, rated outp | ut power. | | | | | | | | |
| Efficiency at 200 rated output | Vac/380Vac, | % | 92 | 92 | 92 | 92 | 93 | 93 | 93 | 93 | 93 | 93 | |
| CONSTANT VOI | LTAGE MOD | ЭE | 300-23 | 400-17 | 500-13.6 | 600-11.2 | 1000-6.8 | 1200-5.6 | 1500-4.6 | 2000-3.4 | 2500-2.7 | 3000-2.2 | |
| Max. Line regulati | on (*3) | | 0.01% of rated output voltage | | | | | | | | | | |
| Max. Line regulati | on (*4) | | 0.01% of rated output voltage+5mV | | | | | | | | | | |
| Ripple and noise (p-p, 20MHz) | | mV | 150 | 250 | 450 | 500 | 660 | 700 | 1000 | 1500 | 2000 | 2500 | |
| Ripple r.m.s. 5Hz~ | -1MHz | mV | 30 | 50 | 90 | 100 | 150 | 170 | 200 | 300 | 450 | 600 | |
| Temperature coeff | icient | | 50PPM/°C from rated output voltage, following 30 minutes warm-up. | | | | | | | | | | |
| Temperature stabil | ity | | 0.01% of rated Vout over 8hrs interval following 30 minutes warm-up. Constant line, load & temp. | | | | | | | | | | |
| Warm-up drift | | | Less than 0.01% of rated output voltage+2mV over 30 minutes following power on. | | | | | | | | | | |
| Sense compensatio | on (*5) | V | 5 | 5 | 5 | 5 | | | | | | | |
| Rise response time | : (*6) | mS | 100 | 100 | 100 | 100 | 100 | 150 | 150 | 150 | 200 | 250 | |
| Fall response | Full load | mS | 220 | 220 | 200 | 200 | 200 | 220 | 220 | 250 | 250 | 280 | |
| time (*7) | No load | mS | 4600 | 4600 | 5000 | 5500 | 6000 | 6500 | 7000 | 8000 | 9000 | 10000 | |
| Transient response | time | mS | ≤2mS (Time | for output voltage | e to recover with | in 0.5% of its rate | ed output for a lo | ad change 10~90 | % of rated outpu | t current.) | | | |
| Start up delay | | ≤ | 6S (Turn on t | he power switch, | the time when t | he power starts | and enters stand | by mode) | | | | | |
| | | 1 | 1 | | | | | | | | | | |

High-quality power supply supplier

| CONSTANT CURRENT MOD | DE | 300-23 | 400-17 | 500-13.6 | 600-11.2 | 1000-6.8 | 1200-5.6 | 1500-4.6 | 2000-3.4 | 2500-2.7 | 3000-2.2 | |
|---|---|--|---|---|--|--|--|--|---------------------------------------|--|----------------|--|
| Max. Line regulation (*3) | | | output current. | +2mA | | | | | | | | |
| Max. Line regulation | | 0.02% of rated | output current. | +5mA | | | | | | | | |
| Ripple r.m.s. 5Hz~1MHz | mA | ≤25 | ≤20 | ≤15 | ≤15 | ≤10 | ≤10 | ≤10 | ≤10 | ≤10 | ≤8 | |
| Temperature coefficient | | 70PPM/°C from | n rated output cu | urrent, following | 30 minutes warn | ı-up. | | I | I | I | L | |
| Temperature stability | | 0.01% of rated | Iout over 8hrs. in | nterval following | 30 minutes war | m-up. Constant li | ne, load & tempe | erature. | | | | |
| Warm-up drift | | Less than ±0.1 | 5% of rated outp | ut current over 30 |) minutes follow | ing power on. | | | | | | |
| ANALOG PROGRAMMING | AND M | ONITORING (I | SOLATED FRO | OM THE OUTP | UT) | | | | | | | |
| Vout voltage programming | | | | | | : ±0.15% of rated | Vout. | | | | | |
| Iout voltage programming | | | | | | : ±0.4% of rated | | | | | | |
| Vout resistor programming | | | | | | inearity: ±0.5% c | | | | | | |
| Iout resistor programming | | | | | - | inearity: ±0.5% c | | | | | | |
| Output voltage monitor | | | | Accuracy: ±0.59 | | | | | | | | |
| Output current monitor | | | | Accuracy: ±0.59 | | | | | | | | |
| Remote switch on/off | | | | et signal control | | | | | | | | |
| | | 8 | | | F - · · - · · · · · · · · · | | | | | | | |
| FUNCTIONS AND FEATURE | s | | | | | | | | | 1.0 | | |
| Series/parallel operation | | | parallel operation ter-slave operation | | cification and m | odel to expand vo | oltage, current an | d power; Paralle | connection is us | sed for automatic | current | |
| Constant power control | | The power with | hin the rated pow | ver range can be s | set to achieve con | nstant power mod | e | | | | | |
| Output resistance control | | Emulates serie | s resistance. Resi | stance range: 1~ | 1000mΩ. | | | | | | | |
| Voltage and current slope control | 1 | Programmable | output rise and f | all slopes. Progra | amming range: 0 | .0001~999.9V/m | S or A/mS | | | | | |
| LIST dynamic output | | Four LIST pro | C1 1 | Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS | | | | | | | | |
| | | Four LIST program files can be saved, and each file can edit up to 200 steps of data; There are three execution modes: count, loop and single step. | | | | | | | | | | |
| Timer function | | 0-9999 minute | | saved, and each | file can edit up t | o 200 steps of da | a; There are thre | e execution mod | es: count, loop a | nd single step. | | |
| Timer function Quick data storage/recall | | 0-9999 minute | s can be set | | | o 200 steps of da | | | | | s on the panel | |
| | | 0-9999 minute It can store 4 g | s can be set roups of common tage protection, | nly used working | data of voltage, | | parameters, and | can be quickly a | ccessed through | the digital buttor | | |
| Quick data storage/recall | | 0-9999 minute It can store 4 g Output overvol | s can be set roups of common tage protection, | nly used working | data of voltage, | current and other | parameters, and | can be quickly a | ccessed through | the digital buttor | - | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI | | 0-9999 minute It can store 4 g Output overvol overvoltage pro- 300-23 | s can be set roups of common tage protection, otection | nly used working overcurrent prote | data of voltage, ction, overload p | current and other protection, over-te | parameters, and | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy | ROL | 0-9999 minute It can store 4 g Output overvol overvoltage pr 300-23 0.05% of rated | s can be set roups of common tage protection, o totection 400-17 output voltage | nly used working overcurrent prote 500-13.6 | data of voltage, action, overload p 600-11.2 | current and other protection, over-te | parameters, and mperature protection 1200-5.6 | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy | ROL | 0-9999 minute It can store 4 g Output overvoi overvoltage pr 300-23 0.05% of rated 0.2% of rated o | s can be set roups of common tage protection, o totection 400-17 output voltage | nly used working overcurrent prote 500-13.6 | data of voltage, action, overload p 600-11.2 | current and other protection, over-te 1000-6.8 | parameters, and mperature protection 1200-5.6 | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy | ROL | 0-9999 minute It can store 4 g Output overvol overvoltage pro 300-23 0.05% of rated 0.2% of rated 0.002% of rate | s can be set roups of common tage protection, o otection 400-17 output voltage putput current; | nly used working overcurrent prote 500-13.6 | data of voltage, action, overload p 600-11.2 | current and other protection, over-te 1000-6.8 | parameters, and mperature protection 1200-5.6 | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution | ROL | 0-9999 minute It can store 4 g Output overvol overvoltage pro- 300-23 0.05% of rated 0.2% of rated 0.002% of rate | s can be set roups of common tage protection, o tection 400-17 output voltage putput current; d output voltage | nly used working overcurrent prote 500-13.6 | data of voltage, action, overload p 600-11.2 | current and other protection, over-te 1000-6.8 | parameters, and mperature protection 1200-5.6 | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy | ROL | 0-9999 minute It can store 4 g Output overvol overvoltage pro- 300-23 0.05% of rated 0.2% of rated 0.002% of rate 0.002% of rated | s can be set roups of common tage protection, o tection 400-17 output voltage output current; d output voltage d output current output voltage | nly used working overcurrent prote 500-13.6 (Models within : | data of voltage, cction, overload p 600-11.2 10A: 0.5% of rat | current and other protection, over-te 1000-6.8 | parameters, and mperature protect 1200-5.6 (t) | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy Iout readback accuracy Vout readback resolution | ROL | 0-9999 minute It can store 4 g Output overvol overvoltage pro- 300-23 0.05% of rated 0.2% of rated 0.002% of rate 0.002% of rated | s can be set roups of common tage protection, o tection 400-17 output voltage output current; d output voltage d output current output voltage | nly used working overcurrent prote 500-13.6 (Models within : | data of voltage, cction, overload p 600-11.2 10A: 0.5% of rat | current and other rotection, over-to 1000-6.8 red output curren | parameters, and mperature protect 1200-5.6 (t) | can be quickly a | ccessed through it protection, inp | the digital buttor ut undervoltage p | rotection, | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy lout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy Iout readback accuracy | ROL | 0-9999 minute It can store 4 g Output overvoi overvoltage pro- 300-23 0.05% of rated 0.2% of rated c 0.002% of rated 0.002% of rated 0.05% of rated 0.2% of rated c | s can be set roups of common itage protection, o otection 400-17 output voltage butput current; d output voltage d output current output voltage putput current; | nly used working overcurrent prote 500-13.6 (Models within 2 (Models within 2 | data of voltage, ection, overload p 600-11.2 10A: 0.5% of rat | current and other protection, over-to 1000-6.8 red output current red output current | parameters, and mperature protect 1200-5.6 tt) | can be quickly <i>e</i> ction, short circu 1500-4.6 | 2000-3.4 | the digital buttor ut undervoltage p 2500-2.7 | 3000-2.2 | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy Iout readback resolution (of rated output voltage) Iout readback resolution | F.S. | 0-9999 minute It can store 4 g Output overvol overvoltage pr 300-23 0.05% of rated 0.2% of rated 0.002% of rate 0.002% of rated 0.2% of rated 0.2% of rated 0.2% of rated 0.02% of rated 0.004% 0.006% | s can be set roups of common itage protection, o otection 400-17 output voltage doutput current; doutput voltage doutput current; output current; 0.003% 0.006% | Models within 2 (Models within 2 (Models within 2 (Models within 2 0.003% 0.004% | data of voltage, ection, overload p 600-11.2 10A: 0.5% of rat 10A: 0.5% of rat 0.002% 0.011% | current and other rotection, over-to 1000-6.8 red output current red output current 0.011% | parameters, and mperature protect 1200-5.6 (t) (t) (0.010% (0.020%) | can be quickly <i>e</i> ction, short circu 1500-4.6 0.007% 0.003% | 0.006% 0.004% | the digital buttor ut undervoltage p 2500-2.7 0.005% 0.005% | 0.004% | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy Iout readback resolution (of rated output voltage) Iout readback resolution (of rated output current)) | ROL F.S. F.S. | 0-9999 minute It can store 4 g Output overvol overvoltage pro- 300-23 0.05% of rated 0.2% of rated 0.002% of rated 0.002% of rated 0.05% of rated 0.2% of rated 0.2% of rated 0.004% 0.006% Built-in USB/F | s can be set roups of common itage protection, o otection 400-17 output voltage doutput current; doutput voltage doutput current; output current; 0.003% 0.006% | Models within 2 (Models within 2 (Models within 2 (Models within 2 0.003% 0.004% | data of voltage, ection, overload p 600-11.2 10A: 0.5% of rat 10A: 0.5% of rat 0.002% 0.011% | current and other protection, over-te 1000-6.8 red output current ced output current 0.011% 0.002% | parameters, and mperature protect 1200-5.6 (t) (t) (0.010% (0.020%) | can be quickly <i>e</i> ction, short circu 1500-4.6 0.007% 0.003% | 0.006% 0.004% | the digital buttor ut undervoltage p 2500-2.7 0.005% 0.005% | 0.004% | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy Iout readback accuracy Vout readback resolution (of rated output voltage) Iout readback resolution (of rated output current)) Communication interface | ROL F.S. F.S. | 0-9999 minute It can store 4 g Output overvoi overvoltage pr 300-23 0.05% of rated 0.2% of rated c 0.002% of rated 0.002% of rated 0.005% of rated 0.2% of rated c 0.004% 0.006% Built-in USB/B | s can be set roups of common itage protection, o otection 400-17 output voltage doutput current; d output voltage d output current; output current; 0.003% 0.006% RS-232/RS-485/C | Models within 2 (Models within 2 (Models within 2 (Models within 2 0.003% 0.004% | data of voltage, cction, overload p 600-11.2 10A: 0.5% of rat 0.02% 0.011% 0.001% | current and other protection, over-te 1000-6.8 red output current ced output current 0.011% 0.002% | parameters, and mperature protect 1200-5.6 (t) (t) (0.010% (0.020%) | can be quickly <i>e</i> ction, short circu 1500-4.6 0.007% 0.003% | 0.006% 0.004% | the digital buttor ut undervoltage p 2500-2.7 0.005% 0.005% | 0.004% | |
| Quick data storage/recall Protection function DIGITAL PROGRAM CONTI Vout programming accuracy Iout programming accuracy Vout programming resolution Iout programming resolution Vout readback accuracy Iout readback accuracy Vout readback resolution (of rated output voltage) Iout readback resolution (of rated output voltage) Iout readback resolution (of rated output current)) Communication interface FRONT PANEL MONITORIN | F.S. F.S. G AND | 0-9999 minute It can store 4 g Output overvol overvoltage pro- 300-23 0.05% of rated 0.02% of rated 0.002% of rated 0.002% of rated 0.05% of rated 0.004% 0.006% Built-in USB/F CONTROL Programmer kr | s can be set roups of common tage protection, o tection 400-17 output voltage output current; d output voltage d output voltage output voltage output current; 0.003% 0.006% RS-232/RS-485/C | nly used working overcurrent prote 500-13.6 (Models within 2 (Models within 2 0.003% 0.004% CAN interface, op nd multi-function | data of voltage, cction, overload p 600-11.2 10A: 0.5% of rat 0.02% 0.011% tional LAN inte | current and other protection, over-te 1000-6.8 red output current ced output current 0.011% 0.002% | parameters, and emperature protect 1200-5.6 (t) (t) (0.010% 0.020% (odbus-RTU and | can be quickly <i>e</i> ction, short circu 1500-4.6 0.007% 0.003% SCPI industry sta | 0.006% 0.004% | the digital buttor ut undervoltage p 2500-2.7 0.005% 0.005% cation protocols. | 0.004% | |

| Voltage display accuracy | 0.05% of rated output voltage±1 count. |
|--------------------------|--|
| Current display accuracy | 0.2% of rated output current±lcount.; (Models within 10A: 0.5% of rated output current±lcount.) |
| Voltage setting accuracy | 0.05% of rated output voltage |
| Current setting accuracy | 0.2% of rated output current; (Models within 10A: 0.5% of rated output current) |
| Setpoint resolution | 5 digits OLED; display format: 99999, current value decreases by one digit, decimal point automatically increases by one digit, maximum resolution:1mV; 1mA |
| Display value resolution | 5 digits OLED; display format: 99999, current value decreases by one digit, decimal point automatically increases by one digit, maximum resolution: 1mV; 1mA |
| | |

| ENVIRONMENT APPLICA | BILITY | |
|-----------------------|--------|---|
| Operating temperature | °C | S: Civil grade ($0^{\circ}C \sim +50^{\circ}C$); G: Industrial grade ($-25^{\circ}C \sim +55^{\circ}C$) |
| Storage temperature | °C | S: Civil grade (-20°C ~ +70°C); G: Industrial grade (-30°C ~ +85°C) |
| Operating humidity | % | 20~90% RH (no condensation). |
| Storage humidity | % | 10~95% RH (no condensation). |
| Cooling | | Forced air cooling by internal fans. Air flow direction: from Front panel to power supply rear |
| MECHANICAL | | |
| Dimensions (WxHxD) | mm | W420, H88, D443 (Without busbars and busbars cover), |
| Weight | Kg | About 13.5Kg |

DPS 10KW series technical indicators (10V-200V)

| | | | | 1 | | | | | | | | | |
|--|---|--|---|---|---|--|--|---|----------------------------|-------------------------|-------------------------|----------------------|--|
| OUTPUT RATIN | G | | 10-1000 | 20-500 | 30-340 | 40-250 | 50-200 | 60-170 | 80-130 | 100-100 | 150-68 | 200-50 | |
| Voltage adjustable | range (*1) | V | 0~10.5 | 0~21 | 0~32 | 0~42 | 0~53 | 0~63 | 0~84 | 0~105 | 0~158 | 0~210 | |
| Current adjustable | | Α | 0~1050 (*8) | 0~525 | 0~360 | 0~263 | 0~210 | 0~180 | 0~136 | 0~105 | 0~72 | 0~54 | |
| Rated power (OP rated value) | P=105% of | W | 10000 | 10000 | 10200 | 10000 | 10000 | 10200 | 10400 | 10000 | 10200 | 10000 | |
| INPUT CHARAC | TERISTICS | | 10-1000 | 20-500 | 30-340 | 40-250 | 50-200 | 60-170 | 80-130 | 100-100 | 150-68 | 200-50 | |
| Input voltage/facquency | | | C: Three-pha | C: Three-phase 170~265Vac (3W+G) / 47~63Hz | | | | | | | | | |
| Input voltage/frequ | iency | | | D: Three-phase 342~460Vac (3W+G) / 47~63Hz | | | | | | | | | |
| D Et (T | <u>`````````````````````````````````````</u> | | | E: Three-phase 342~528Vac (3W+G) / 47~63Hz 0.94@200/380Vac, rated output power. | | | | | | | | | |
| Power Factor (Typ Efficiency at 200V | | ~~ | 0.94@200/380 89 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | |
| rated output CONSTANT VOI | TACE MOD | F | 10-1000 | 20-500 | 30-340 | 40-250 | 50-200 | 60-170 | 80-130 | 100-100 | 150-68 | 200-50 | |
| Max. Line regulati | | | | l output voltage | 50-540 | 40-230 | 30-200 | 00-170 | 80-130 | 100-100 | 150-08 | 200-30 | |
| Max. Line regulati | | | | l output voltage+ | 5mV | | | | | | | | |
| Ripple and noise | 011 (+) | mV | 80 | 80 | 80 | 80 | 80 | 100 | 100 | 120 | 120 | 200 | |
| (p-p, 20MHz) | | | | | | | | | | | | | |
| Ripple r.m.s. 5Hz~ | | mV | 12 | 12 | 12 | 12 | 12 | 20 | 20 | 20 | 20 | 60 | |
| Temperature coeffi | | | | m rated output ve | | | • | | | | | | |
| Temperature stabil | ity | | | | | , , | m-up. Constant li | , 1 | | | | | |
| Warm-up drift | | | | | | I | ollowing power o | I | | | | 1 | |
| Sense compensatio | | V | 2 | 2 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | |
| Rise response time | | mS | 30 | 30 | 30 | 30 | 30 | 50 | 50 | 50 | 50 | 50 | |
| Fall response | Full load | mS | 50 | 50 | 80 | 80 | 80 | 80 | 100 | 100 | 100 | 100 | |
| time (*7) | No load | mS | 600 | 1000 | 1500 | 2000 | 2500 | 2700 | 3000 | 3000 | 3500 | 4000 | |
| Transient response | | | | | | | | | | | | | |
| r | time | mS | ≤2mS (Time | for output voltag | e to recover with | in 0.5% of its rat | ed output for a lo | ad change 10~90 | % of rated outpu | t current.) | | | |
| | time | mS ≤ | - | | | | ed output for a lo and enters stand | | % of rated outpu | t current.) | | | |
| Start up delay | | ≤ | - | | | | • | | % of rated outpu 80-130 | t current.) 100-100 | 150-68 | 200-50 | |
| Start up delay | RRENT MOE | ≤ | 6S (Turn on t | he power switch | , the time when t | the power starts | and enters stand | by mode) | | | 150-68 | 200-50 | |
| Start up delay CONSTANT CUF Max. Line regulation | RRENT MOE | ≤ DE | 6S (Turn on t 10-1000 0.05% of rated | he power switch | , the time when t | the power starts | and enters stand | by mode) | | | 150-68 | 200-50 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati | RRENT MOE on (*3) on | ≤)E | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 | he power switch 20-500 d output current. d output current. ≤700 | , the time when t 30-340 ≤350 | 40-250 ≤250 | and enters stand 50-200 ≤150 | by mode) 60-170 ≤150 | | | 150-68 ≤50 | <u>200-50</u> ≤35 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ | RRENT MOE on (*3) on 1MHz | ≤ DE | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mc | he power switch 20-500 d output current. d output current. ≤700 sodel: 100PPM/°C | , the time when t 30-340 ≤350 ² from rated outpu | 40-250 ≤250 at current, follow | and enters stand 50-200 ≤150 ring 30 minutes w | by mode) 60-170 ≤150 varm-up. | 80-130 | 100-100 | | 1 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ Temperature coeffi | RRENT MOD on (*3) on 1MHz cient | SE mA | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mo 150V~200V m | be power switch, 20-500 1 output current. 1 output current. ≤700 sdel: 100PPM/°C nodel: 70PPM/°C | sthe time when t 30-340 ≤350 from rated output C from rated output | 40-250 Solution | and enters stand 50-200 ≤150 | by mode) 60-170 ≤150 varm-up. varm-up. | 80-130 ≤100 | 100-100 | | 1 | |
| Start up delay | RRENT MOD on (*3) on 1MHz cient | ≤ DE mA | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mo 150V~200V m 0.01% of rated 10V~100V mo | he power switch 20-500 d output current. d output current. ≤700 odel: 100PPM/°C nodel: 70PPM/°C H lout over 8hrs. i odel: Less than ±4 | the time when t 30-340 ≤350 from rated output from rated output nterval following 0.25% of rated ou | 40-250 \$250 at current, follow but current, follow 30 minutes war atput current ove | and enters stand 50-200 ≤150 ring 30 minutes w wing 30 minutes w m-up. Constant li r 30 minutes follo | by mode) 60-170 ≤150 varm-up. varm-up. ine, load & tempo owing power on. | 80-130 ≤100 erature. | 100-100 | | <u>200-50</u> ≤35 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ Temperature coeffi Temperature stabil | RRENT MOD on (*3) on 1MHz cient | ≤ DE mA | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mo 150V~200V m 0.01% of rated 10V~100V mo | he power switch 20-500 d output current. d output current. ≤700 odel: 100PPM/°C nodel: 70PPM/°C H lout over 8hrs. i odel: Less than ±4 | the time when t 30-340 ≤350 from rated output from rated output nterval following 0.25% of rated ou | 40-250 \$250 at current, follow but current, follow 30 minutes war atput current ove | and enters stand 50-200 ≤150 ring 30 minutes w wing 30 minutes w m-up. Constant li | by mode) 60-170 ≤150 varm-up. varm-up. ine, load & tempo owing power on. | 80-130 ≤100 erature. | 100-100 | | 1 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ Temperature coeffi Temperature stabil | RRENT MOD on (*3) on 1MHz cient ity | ≤ DE mA | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mc 150V~200V m 0.01% of rated 10V~100V mc 150V~200V m | he power switch 20-500 d output current. d output current. ≤700 odel: 100PPM/°C odel: 70PPM/°C odel: 100PPM/°C idel: Less than ±4 odel: Less than ±4 | , the time when t 30-340 ≤350 ¹ from rated output ² from rated output 0.25% of rated output ±0.15% of rated of | ≤250 ≤250 at current, follow 30 minutes war atput current ove | and enters stand 50-200 ≤150 ring 30 minutes w wing 30 minutes w m-up. Constant li r 30 minutes follo | by mode) 60-170 ≤150 varm-up. varm-up. ine, load & tempo owing power on. | 80-130 ≤100 erature. | 100-100 | | 1 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ Temperature coeffi Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr | RRENT MOD on (*3) on 1MHz cient ity RAMMING a amming | ≤ DE mA | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mc 150V~200V m 0.01% of rated 10V~100V mc 150V~200V m 0.01% of rated 0.01% of r | he power switch, 20-500 d output current. d output current. \leq 700 odel: 100PPM/°C hodel: 70PPM/°C Hout over 8hrs. i odel: Less than ±4 hodel: Les | sthe time when t 30-340 ≤350 from rated output C from rated output C from rated output 0.15% of rated output 0.15% of rated output 0.15% of rated output D.15% | 40-250 2250 at current, follow but current, follow at put current ove butput curr | and enters stand 50-200 ≤150 ring 30 minutes w wing 30 minutes w m-up. Constant li r 30 minutes foll er 30 minutes foll r: ±0.15% of ratec | by mode) 60-170 ≤150 varm-up. varm-up. ine, load & tempto owing power on. lowing power on. | 80-130 ≤100 erature. | 100-100 | | 1 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progr | RRENT MOD on (*3) on 1MHz cient ity RAMMING amming imming | ≤ DE mA AND M | 6S (Turn on t 10-1000 0.05% of rated ≤1200 10V~100V mc 150V~200V m 0.01% of rated 10V~100V mc 150V~200V m 0.01% of stated 0.01TORING (0 0~100%, 0~5V 0~100%, 0~5V | he power switch 20-500 d output current. d output current. ≤700 odel: 100PPM/°C odel: 100PPM/°C odel: 100PPM/°C i lout over 8hrs. i odel: Less than ±t odel: Less than ±t sodel: Less than ±t odel: Less than ±t ode | sthe time when t 30-340 ≤350 From rated output C from rated output C from rated output C from rated output 0.25% of rated output to 15% of rated output to 1 | 40-250 ≤250 at current, follow at current, follow at current, follow at current ove butput current ove butput current ove PUT) racy and linearity | and enters stand 50-200 ≤150 ring 30 minutes wing 30 minutes of m-up. Constant li r 30 minutes follo er 30 minutes follo :: ±0.15% of rated | by mode) 60-170 ≤150 varm-up. warm-up. ine, load & tempo owing power on. lowing power on lowing tower on lowing tower on lowing tower on | 80-130 ≤100 erature. | 100-100 | | 1 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz~ Temperature stabil Warm-up drift ANALOG PROG Vout voltage progra Iout voltage progra | RRENT MOD on (*3) on 1MHz cient ity RAMMING amming amming amming | ≤ DE mA AND M ¹ | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mc 150V~200V m 0.01% of rated 10V~100V mc 150V~200V m 0.01% of steel 0.01% of steel 0.0100%, 0~5V 0~100%, 0~5V | he power switch, 20-500 d output current. d output current. \leq 700 odel: 100PPM/°C odel: 70PPM/°C d lout over 8hrs. i odel: Less than ±4 odel: Less than ±4 | , the time when t 30-340 ≤350 from rated output C from rated output terval following 0.25% of rated output ±0.15% of rated output belowing 0.25% of rated output terval following 0.25% of ra | 40-250 ≤250 at current, follow y at current, follow y at current ove putput curr | and enters stand 50-200 ≤ 150 ring 30 minutes wing 30 minutes of m-up. Constant li r 30 minutes foll er 30 minutes foll er 30 minutes foll : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% of | by mode) 60-170 ≤150 √arm-up. warm-up. ine, load & tempo swing power on. lowing power on lowing power on 1 Vout. Iout. Iout. | 80-130 ≤100 erature. | 100-100 | | 1 | |
| Start up delay CONSTANT CUF Max. Line regulati Max. Line regulati Ripple r.m.s. 5Hz Temperature coeffi Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progr Iout voltage progr Iout resistor progr Iout resistor progr | RRENT MOD on (*3) on 1MHz cient ity RAMMING amming amming amming amming | Second | 6S (Turn on t 10-1000 0.05% of rated 0.08% of rated ≤1200 10V~100V mc 150V~200V m 0.01% of rated 10V~100V mc 150V~200V m 0.01% of rated 0.01% of r | he power switch 20-500 doutput current. doutput current. \leq 700 odel: 100PPM/°C nodel: 70PPM/°C Hout over 8hrs. i odel: Less than ±1 nodel: Less than ± nodel: Less than ± ISOLATED FR V or 0~10V, user 10Kohm full scal 10Kohm full scal | the time when t 30-340 ≤350 from rated output from rated output from rated output 0.25% of rated output ±0.15% of rated output below the | step power starts 40-250 ≤250 at current, follow put current, follow g 30 minutes war atput current ove putput eacy and linearity e. Accuracy and linearity | and enters stand 50-200 ≤150 ring 30 minutes wing 30 minutes of m-up. Constant li r 30 minutes follo er 30 minutes follo :: ±0.15% of rated | by mode) 60-170 ≤150 √arm-up. warm-up. ine, load & tempo swing power on. lowing power on lowing power on 1 Vout. Iout. Iout. | 80-130 ≤100 erature. | 100-100 | | 1 | |
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High-quality power supply supplier

| DIGITAL PROGRAM CONT | ROL | 10-1000 | 20-500 | 30-340 | 40-250 | 50-200 | 60-170 | 80-130 | 100-100 | 150-68 | 200-50 | | |
|--|--------|------------------|----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|--|--|
| Vout programming accuracy | | 0.05% of rated | output voltage | | | | | | | | | | |
| Iout programming accuracy | | 0.1% of rated of | output current | | | | | | | | | | |
| Vout programming resolution | | 0.002% of rate | d output voltage | | | | | | | | | | |
| Iout programming resolution | | 0.002% of rate | % of rated output current | | | | | | | | | | |
| Vout readback accuracy | | 0.05% of rated | % of rated output voltage | | | | | | | | | | |
| Iout readback accuracy | | 0.1% of rated of | 1% of rated output current | | | | | | | | | | |
| Vout readback resolution (of rated output voltage) | F.S. | 0.011% | 0.006% | 0.004% | 0.003% | 0.002% | 0.002% | 0.002% | 0.011% | 0.007% | 0.005% | | |
| Iout readback resolution (of rated output current)) | F.S. | 0.012% | 0.003% | 0.004% | 0.005% | 0.006% | 0.007% | 0.009% | 0.012% | 0.002% | 0.003% | | |
| Communication interface | | Built-in USB/F | RS-232/RS-485/0 | CAN interface, o | ptional LAN inte | rface;Supports M | odbus-RTU and | SCPI industry st | andard communi | cation protocols. | | | |
| FRONT PANEL MONITORIN | NG AND | CONTROL | | | | | | | | | | | |
| Operation mode | | Programmer ki | nob,digital key a | nd multi-function | n key | | | | | | | | |
| Display | | 5 digits OLED | screen displays | output voltage, c | urrent, power, wo | orking status and | other information | n; Support Chine | ese and English m | enu switching di | splay. | | |
| Voltage display accuracy | | 0.05% of rated | output voltage± | l count. | | | | | | | | | |
| Current display accuracy | | 0.1% of rated of | output current±1 | count. | | | | | | | | | |
| Voltage setting accuracy | | 0.05% of rated | output voltage | | | | | | | | | | |
| Current setting accuracy | | 0.1% of rated of | output current | | | | | | | | | | |
| Setpoint resolution | | 5 digits OLED | ; display forma | it: 99999, current | t value decreases | by one digit, dec | imal point autom | atically increase | s by one digit, m | aximum resolutio | n:1mV; 1mA | | |
| Display value resolution | | 5 digits OLED | ; display forma | t: 99999, current | t value decreases | by one digit, dec | imal point autom | atically increase | s by one digit, m | aximum resolutio | n: 1mV; 1mA | | |
| ENVIRONMENT APPLICAB | ILITY | | | | | | | | | | | | |
| Operating temperature | °C | S: Civil grade | (0°C ~ +50°C) | ; G: Industrial | grade (-25°C~ | +55°C) | | | | | | | |
| Storage temperature | °C | S: Civil grade | • (-20°C ~ +70°C | C); G: Industri | ial grade (-30°C | ~+85°C) | | | | | | | |
| Operating humidity | % | 20~90% RH (r | o condensation) | | | | | | | | | | |
| Storage humidity | % | 10~95% RH (r | o condensation) | | | | | | | | | | |
| Cooling | | Forced air cool | ling by internal f | ans. Air flow dire | ection: from Fron | t panel to power | supply rear | | | | | | |
| MECHANICAL | | | | | | | | | | | | | |
| Dimensions (WxHxD) | mm | W420, H88, D | 443 (Without bu | sbars and busbar | s cover), | | | | | | | | |
| Weight | Kg | About 15.5Kg | | | | | | | | | | | |
| | | | | | | | | | | | | | |

DPS 10KW series technical indicators (300V-3000V)

| | | 300-34 | 400-25 | 500-20 | 600-17 | 1000-10 | 1200-8.5 | 1500-6.8 | 2000-5 | 2500-4 | 3000-3.4 | |
|--|--|---|--|---|--|---|---|---|---|---|--|--|
| e (*1) | v | 0~315 | 0~420 | 0~525 | 0~630 | 0~1050 | 0~1260 | 0~1575 | 0~2100 | 0~2550 | 0~3050 | |
| e (*2) | А | 0~36 | 0~28 | 0~22 | 0~18 | 0~11 | 0~9 | 0~7.2 | 0~5.5 | 0~4.3 | 0~3.6 | |
| /alue) | W | 10200 | 10400 | 10000 | 10200 | 10000 | 10200 | 10200 | 10000 | 10000 | 10200 | |
| RISTICS | | 300-34 | 400-25 | 500-20 | 600-17 | 1000-10 | 1200-8.5 | 1500-6.8 | 2000-5 | 2500-4 | 3000-3.4 | |
| | | C: Three-pha | se 170~265Vac (. | 3W+G) / 47~63H | Iz | | | | | | | |
| Input voltage/frequency | | D: Three-phase 342~460Vac (3W+G) / 47~63Hz | | | | | | | | | | |
| Ī | | E: Three-phas | se 342~528Vac (3 | 3W+G) / 47~63H | Iz | | | | | 0~2100 0~2550 0~5.5 0~4.3 10000 10000 2000-5 2500-4 93 93 93 93 2000-5 2500-4 1500 2000 300 450 150 200 | | |
| Image: Provide | | | | | | | | | | | | |
| 80Vac, | % | 92 | 92 | 92 | 92 | 93 | 93 | 93 | 93 | 93 | 93 | |
| GE MOD | E | 300-34 | 400-25 | 500-20 | 600-17 | 1000-10 | 1200-8.5 | 1500-6.8 | 2000-5 | 2500-4 | 3000-3.4 | |
| *3) | | 0.01% of rated | output voltage | | | | | | | | | |
| *4) | | 0.01% of rated | 0.01% of rated output voltage+5mV | | | | | | | | | |
| | mV | 150 | 250 | 450 | 500 | 660 | 700 | 1000 | 1500 | 2000 | 2500 | |
| Iz | mV | 30 | 50 | 90 | 100 | 150 | 170 | 200 | 300 | 450 | 600 | |
| t | | 50PPM/°C from | m rated output vo | ltage, following | 30 minutes warn | n-up. | | | | | | |
| | | 0.01% of rated | Vout over 8hrs i | nterval following | 30 minutes war | m-up. Constant li | ne, load & temp. | | | | | |
| | | Less than 0.01 | % of rated output | voltage+2mV o | ver 30 minutes fo | ollowing power o | n. | | | | | |
| *5) | v | 5 | 5 | 5 | 5 | | | | | | | |
| 5) | mS | 50 | 100 | 100 | 100 | 100 | 150 | 150 | 150 | 200 | 250 | |
| ill load | mS | 100 | 200 | 200 | 200 | 200 | 220 | 220 | 250 | 250 | 280 | |
| o load | mS | 4000 | 4000 | 4500 | 5000 | 6000 | 6500 | 7000 | 8000 | 9000 | 10000 | |
| ; | mS | ≤2mS (Time | for output voltage | e to recover with | in 0.5% of its rate | ed output for a lo | ad change 10~90 | % of rated outpu | t current.) | | | |
| | \leq | 6S (Turn on t | he power switch, | the time when t | he power starts | and enters stand | by mode) | | | | | |
| | (*2) alue) alue) alue, alu | (12) A alue) W ISTICS 80Vac, % 80Vac, % *3) *4) *4) *4) 5) V) mS Iload mS Ioad mS | × × 0 ~ 315 2 (*1) A 0 ~ 36 alue) W 10200 strict 300-34 C: Three-phate D: Three-phate D: Three-phate E: Three-phate 0.94@200/380 80Vac, % 92 E MOV 92 E 300-34 *3) 0.01% of rated *4) 1001% of rated *4) 10.01% of rated *4) 10.01% of rated *4) 50PPM/°C from 0 Less than 0.01 5) V 5) mS 50 <td< td=""><td>$(*1)$ V $0 \sim 315$ $0 \sim 420$ 2 (*1) A $0 \sim 36$ $0 \sim 28$ $alue)$ W 10200 10400 ISTICS $300-34$ $400-25$ $$ C: Three-phase $170-265$ Vac (3) $$ D: Three-phase $342-460$ Vac (3) $$ D: Three-phase $342-528$ Vac (3) $$ D: Three-phase $342-528$ Vac (3) $$ 0.94@200/380 Vac, rated output 80 Vac, $\%$ 92 92 80 92<!--</td--><td>$(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ alue) W 10200 10400 10000 ISTICS 300-34 $400-25$ $500-20$ C: Three-phase $170 \sim 265$ Vac $(3W+G) / 47 - 63H$ $$ D: Three-phase $342 \sim 528$ Vac $(3W+G) / 47 - 63H$ $$ D: Three-phase $342 \sim 528$ Vac $(3W+G) / 47 - 63H$ $$ D: 92 92 $80Vac$, $\%$ 92 92 $80Vac$, $\%$ 92 <th< td=""><td>x x</td><td>v v v</td><td>$(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1260$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ alue) W 10200 10400 10000 10200 10000 10200 ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ (-7) $C:$ Three-phase <math>342-460Vac (3W+G) / 47-63Hz $$ $0.94@200/380Vac$, rated output power. $(-80Vac)$ $\%$ 92 92 92 92 92 93 93 EMODE 300.34 400.25 500.20 $600-17$ $1000-10$ $1200-8.5$ $(*3)$ $$ 0.01% of rated output voltage $+5mV$ $$ </math></td><td>x 0 0 315 0 420 0 x 525 0 x 630 0 x 100 0 x 155 0 x 7.2 x 0 x 100 x 0 x 0</td><td>x v 0 ~ 315 0 ~ 420 0 ~ 525 0 ~ 630 0 ~ 1050 0 ~ 1260 0 ~ 1575 0 ~ 2100 x (*2) A 0 ~ 36 0 ~ 28 0 ~ 22 0 ~ 18 0 ~ 11 0 ~ 9 0 ~ 7.2 0 ~ 5.5 alue) W 10200 10400 10000 10200 10000 10200 10200 10000 10000 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 30 50 500</td><td>$(+)$ V $0 \sim 315$ $0 - 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1250$ $0 \sim 1575$ $0 \sim 2100$ $0 \sim 255$ $(+)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ $0 \sim 7.2$ $0 \sim 5.5$ $0 \sim 4.3$ ahe W 10200 10400 10000 10200 10200 10000 10200 10000 10000 istrice $300 \cdot 34$ $400 \cdot 25$ $500 \cdot 20$ $600 \cdot 17$ $1000 \cdot 10$ $1200 \cdot 8.5$ $1500 \cdot 6.8$ $200 \cdot 5$ $2500 \cdot 4$ istrice $istrice \sim 13 \cdot 42 \cdot 460 / x < 3 + 63 / 47 \cdot 63 + z$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13^{-2} - 10^{-2}$ $istrice$</td></th<></td></td></td<> | $(*1)$ V $0 \sim 315$ $0 \sim 420$ 2 (*1) A $0 \sim 36$ $0 \sim 28$ $alue)$ W 10200 10400 ISTICS $300-34$ $400-25$ $$ C: Three-phase $170-265$ Vac (3) $$ D: Three-phase $342-460$ Vac (3) $$ D: Three-phase $342-528$ Vac (3) $$ D: Three-phase $342-528$ Vac (3) $$ 0.94@200/380 Vac, rated output 80 Vac, $\%$ 92 92 80 92 </td <td>$(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ alue) W 10200 10400 10000 ISTICS 300-34 $400-25$ $500-20$ C: Three-phase $170 \sim 265$ Vac $(3W+G) / 47 - 63H$ $$ D: Three-phase $342 \sim 528$ Vac $(3W+G) / 47 - 63H$ $$ D: Three-phase $342 \sim 528$ Vac $(3W+G) / 47 - 63H$ $$ D: 92 92 $80Vac$, $\%$ 92 92 $80Vac$, $\%$ 92 <th< td=""><td>x x</td><td>v v v</td><td>$(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1260$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ alue) W 10200 10400 10000 10200 10000 10200 ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ (-7) $C:$ Three-phase <math>342-460Vac (3W+G) / 47-63Hz $$ $0.94@200/380Vac$, rated output power. $(-80Vac)$ $\%$ 92 92 92 92 92 93 93 EMODE 300.34 400.25 500.20 $600-17$ $1000-10$ $1200-8.5$ $(*3)$ $$ 0.01% of rated output voltage $+5mV$ $$ </math></td><td>x 0 0 315 0 420 0 x 525 0 x 630 0 x 100 0 x 155 0 x 7.2 x 0 x 100 x 0 x 0</td><td>x v 0 ~ 315 0 ~ 420 0 ~ 525 0 ~ 630 0 ~ 1050 0 ~ 1260 0 ~ 1575 0 ~ 2100 x (*2) A 0 ~ 36 0 ~ 28 0 ~ 22 0 ~ 18 0 ~ 11 0 ~ 9 0 ~ 7.2 0 ~ 5.5 alue) W 10200 10400 10000 10200 10000 10200 10200 10000 10000 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 30 50 500</td><td>$(+)$ V $0 \sim 315$ $0 - 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1250$ $0 \sim 1575$ $0 \sim 2100$ $0 \sim 255$ $(+)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ $0 \sim 7.2$ $0 \sim 5.5$ $0 \sim 4.3$ ahe W 10200 10400 10000 10200 10200 10000 10200 10000 10000 istrice $300 \cdot 34$ $400 \cdot 25$ $500 \cdot 20$ $600 \cdot 17$ $1000 \cdot 10$ $1200 \cdot 8.5$ $1500 \cdot 6.8$ $200 \cdot 5$ $2500 \cdot 4$ istrice $istrice \sim 13 \cdot 42 \cdot 460 / x < 3 + 63 / 47 \cdot 63 + z$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13^{-2} - 10^{-2}$ $istrice$</td></th<></td> | $(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ alue) W 10200 10400 10000 ISTICS 300-34 $400-25$ $500-20$ C: Three-phase $170 \sim 265$ Vac $(3W+G) / 47 - 63H$ $$ D: Three-phase $342 \sim 528$ Vac $(3W+G) / 47 - 63H$ $$ D: Three-phase $342 \sim 528$ Vac $(3W+G) / 47 - 63H$ $$ D: 92 92 $80Vac$, $\%$ 92 92 $80Vac$, $\%$ 92 <th< td=""><td>x x</td><td>v v v</td><td>$(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1260$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ alue) W 10200 10400 10000 10200 10000 10200 ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ (-7) $C:$ Three-phase <math>342-460Vac (3W+G) / 47-63Hz $$ $0.94@200/380Vac$, rated output power. $(-80Vac)$ $\%$ 92 92 92 92 92 93 93 EMODE 300.34 400.25 500.20 $600-17$ $1000-10$ $1200-8.5$ $(*3)$ $$ 0.01% of rated output voltage $+5mV$ $$ </math></td><td>x 0 0 315 0 420 0 x 525 0 x 630 0 x 100 0 x 155 0 x 7.2 x 0 x 100 x 0 x 0</td><td>x v 0 ~ 315 0 ~ 420 0 ~ 525 0 ~ 630 0 ~ 1050 0 ~ 1260 0 ~ 1575 0 ~ 2100 x (*2) A 0 ~ 36 0 ~ 28 0 ~ 22 0 ~ 18 0 ~ 11 0 ~ 9 0 ~ 7.2 0 ~ 5.5 alue) W 10200 10400 10000 10200 10000 10200 10200 10000 10000 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 30 50 500</td><td>$(+)$ V $0 \sim 315$ $0 - 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1250$ $0 \sim 1575$ $0 \sim 2100$ $0 \sim 255$ $(+)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ $0 \sim 7.2$ $0 \sim 5.5$ $0 \sim 4.3$ ahe W 10200 10400 10000 10200 10200 10000 10200 10000 10000 istrice $300 \cdot 34$ $400 \cdot 25$ $500 \cdot 20$ $600 \cdot 17$ $1000 \cdot 10$ $1200 \cdot 8.5$ $1500 \cdot 6.8$ $200 \cdot 5$ $2500 \cdot 4$ istrice $istrice \sim 13 \cdot 42 \cdot 460 / x < 3 + 63 / 47 \cdot 63 + z$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13^{-2} - 10^{-2}$ $istrice$</td></th<> | x x | v v | $(*1)$ V $0 \sim 315$ $0 \sim 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1260$ $(*2)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ alue) W 10200 10400 10000 10200 10000 10200 ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ ISTICS 300.34 400.25 500.20 600.17 1000.10 $1200.8.5$ (-7) $C:$ Three-phase $342-460Vac (3W+G) / 47-63Hz 0.94@200/380Vac, rated output power. (-80Vac) \% 92 92 92 92 92 93 93 EMODE 300.34 400.25 500.20 600-17 1000-10 1200-8.5 (*3) 0.01\% of rated output voltage +5mV $ | x 0 0 315 0 420 0 x 525 0 x 630 0 x 100 0 x 155 0 x 7.2 x 0 x 100 0 x 7.2 x 0 x 100 0 x 7.2 x 0 x 100 0 x 7.2 x 0 x 100 x 0 | x v 0 ~ 315 0 ~ 420 0 ~ 525 0 ~ 630 0 ~ 1050 0 ~ 1260 0 ~ 1575 0 ~ 2100 x (*2) A 0 ~ 36 0 ~ 28 0 ~ 22 0 ~ 18 0 ~ 11 0 ~ 9 0 ~ 7.2 0 ~ 5.5 alue) W 10200 10400 10000 10200 10000 10200 10200 10000 10000 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 INTECSING 300-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 S00-34 400-25 500-20 600-17 1000-10 1200-8.5 1500-6.8 2000-5 30 50 500 | $(+)$ V $0 \sim 315$ $0 - 420$ $0 \sim 525$ $0 \sim 630$ $0 \sim 1050$ $0 \sim 1250$ $0 \sim 1575$ $0 \sim 2100$ $0 \sim 255$ $(+)$ A $0 \sim 36$ $0 \sim 28$ $0 \sim 22$ $0 \sim 18$ $0 \sim 11$ $0 \sim 9$ $0 \sim 7.2$ $0 \sim 5.5$ $0 \sim 4.3$ ahe W 10200 10400 10000 10200 10200 10000 10200 10000 10000 istrice $300 \cdot 34$ $400 \cdot 25$ $500 \cdot 20$ $600 \cdot 17$ $1000 \cdot 10$ $1200 \cdot 8.5$ $1500 \cdot 6.8$ $200 \cdot 5$ $2500 \cdot 4$ istrice $istrice \sim 13 \cdot 42 \cdot 460 / x < 3 + 63 / 47 \cdot 63 + z$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13 \cdot 10^{-2}$ $istrice < 13^{-2} - 10^{-2}$ $istrice$ | |

High-quality power supply supplier

| CONSTANT CURRENT MOI | DE | 300-34 | 400-25 | 500-20 | 600-17 | 1000-10 | 1200-8.5 | 1500-6.8 | 2000-5 | 2500-4 | 3000-3.4 |
|--|--------|---------------------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------|
| Max. Line regulation (*3) | | 0.05% of rated | output current. | | | • | 1 | I | 1 | 1 | |
| Max. Line regulation | | Models above | 8A: 0.08% of ra | ted output curren | t; Models within | 8A: 0.02% of rat | ed output current | +5mA | | | |
| Ripple r.m.s. 5Hz~1MHz | mA | ≤30 | ≤25 | ≤20 | ≤15 | ≤10 | ≤10 | ≤10 | ≤10 | ≤10 | ≤10 |
| Temperature coefficient | | 70PPM/°C fro | m rated output c | urrent, following | 30 minutes warr | n-up. | | | | | |
| Temperature stability | | 0.01% of rated | l Iout over 8hrs. i | interval followin | g 30 minutes war | m-up. Constant l | ine, load & temp | erature. | | | |
| Warm-up drift | | Less than ±0.1 | 5% of rated outp | out current over 3 | 0 minutes follow | ing power on. | | | | | |
| ANALOG PROGRAMMING | AND M | ONITORING (I | SOLATED FR | OM THE OUTI | PUT) | | | | | | |
| Vout voltage programming | | 0~100%, 0~5 | / or 0~10V, user | selectable. Accu | racy and linearity | v: ±0.15% of rated | d Vout. | | | | |
| Iout voltage programming | | 0~100%, 0~5 | / or 0~10V, user | selectable. Accu | racy and linearity | v: ±0.4% of rated | Iout. | | | | |
| Vout resistor programming | | 0~100%, 0~5/ | 10Kohm full sca | le, user selectabl | e. Accuracy and | linearity: ±0.5% o | of rated Vout. | | | | |
| Iout resistor programming | | 0~100%, 0~5/ | %, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout. | | | | | | | | |
| Output voltage monitor | | 0~5V or 0~10 | V, user selectable | e. Accuracy: ±0.5 | % of rated Vout. | | | | | | |
| Output current monitor | | 0~5V or 0~10 | V, user selectable | e. Accuracy: ±0.5 | % of rated Iout. | | | | | | |
| Remote switch on/off | | High and low | level or dry conta | act signal control | power switch | | | | | | |
| FUNCTIONS AND FEATURE | S | | | | | | | | | | |
| Series/parallel operation | | | parallel operatio | | ecification and m | odel to expand v | oltage, current an | d power; Paralle | l connection is us | sed for automatic | current |
| Constant power control | | | • | | set to achieve co | nstant power mod | le | | | | |
| Output resistance control | | Emulates serie | s resistance. Res | istance range: 1~ | -1000mΩ. | | | | | | |
| Voltage and current slope control | | Programmable | output rise and | fall slopes. Progr | amming range: 0 | .0001~999.9V/m | S or A/mS | | | | |
| LIST dynamic output | | Four LIST pro | gram files can be | e saved, and each | file can edit up | to 200 steps of da | ta; There are thre | e execution mod | es: count, loop a | nd single step. | |
| Timer function | | 0-9999 minute | s can be set | | | | | | | | |
| Quick data storage/recall | | It can store 4 g | roups of commo | nly used working | g data of voltage, | current and othe | r parameters, and | can be quickly a | ccessed through | the digital buttor | ns on the pa |
| Protection function | | Output overvo overvoltage pr | | overcurrent prot | ection, overload | protection, over-t | emperature prote | ction, short circu | it protection, inp | ut undervoltage j | protection, |
| DIGITAL PROGRAM CONT | ROL | 300-34 | 400-25 | 500-20 | 600-17 | 1000-10 | 1200-8.5 | 1500-6.8 | 2000-5 | 2500-4 | 3000-3. |
| Vout programming accuracy | | 0.05% of rated | l output voltage | | | | | | | | |
| Iout programming accuracy | | 0.2% of rated of | output current; | (Models within | 10A: 0.5% of ra | ted output curre | nt) | | | | |
| Vout programming resolution | | 0.002% of rate | d output voltage | | | | | | | | |
| Iout programming resolution | | 0.002% of rate | d output current | | | | | | | | |
| Vout readback accuracy | | 0.05% of rated | l output voltage | | | | | | | | |
| Iout readback accuracy | | 0.2% of rated of | output current; | (Models within | 10A: 0.5% of ra | ted output curre | nt) | | | | |
| Vout readback resolution (of rated output voltage) | F.S. | 0.004% | 0.003% | 0.003% | 0.002% | 0.011% | 0.010% | 0.007% | 0.006% | 0.005% | 0.004% |
| Iout readback resolution (of rated output current)) | F.S. | 0.004% | 0.005% | 0.006% | 0.008% | 0.011% | 0.015% | 0.020% | 0.022% | 0.003% | 0.030% |
| Communication interface | | Built-in USB/I | RS-232/RS-485/0 | CAN interface, o | ptional LAN inte | erface;Supports N | lodbus-RTU and | SCPI industry st | andard communi | cation protocols. | |
| FRONT PANEL MONITORIN | IG AND | CONTROL | | | | | | | | | |
| Operation mode | | Programmer k | nob,digital key a | nd multi-function | n key | | | | | | |
| Display | | 5 digits OLED | screen displays | output voltage, c | urrent, power, w | orking status and | other information | n; Support Chine | se and English m | enu switching di | isplay. |
| Voltage display accuracy | | 0.05% of rated | l output voltage± | 1 count. | | | | | | | |
| Current display accuracy | | 0.2% of rated | output current±1 | lcount.; (Mode | ls within 10A: 0 | .5% of rated outp | out current±1cou | nt.) | | | |
| Voltage setting accuracy | | 0.05% of rated | l output voltage | | | | | | | | |
| Current setting accuracy | | 0.2% of rated of | output current; | (Models within | 10A: 0.5% of ra | ted output curre | nt) | | | | |
| | | | | | | | | | | | |

 Setpoint resolution
 - 5 digits OLED; display format: 99999, current value decreases by one digit, decimal point automatically increases by one digit, maximum resolution: 0.001

 Display value resolution
 - 5 digits OLED; display format: 99999, current value decreases by one digit, decimal point automatically increases by one digit, maximum resolution: 0.001

| ENVIRONMENT APPLICAL | BILITY | |
|-----------------------|--------|--|
| Operating temperature | °C | S: Civil grade (0°C ~ +50°C); G: Industrial grade (-25°C ~ +55°C) |
| Storage temperature | °C | S: Civil grade (-20°C ~ +70°C); G: Industrial grade (-30°C ~ +85°C) |
| Operating humidity | % | 20~90% RH (no condensation). |
| Storage humidity | % | 10~95% RH (no condensation). |
| Cooling | | Forced air cooling by internal fans. Air flow direction: from Front panel to power supply rear |
| MECHANICAL | | |
| Dimensions (WxHxD) | mm | W420, H88, D443 (Without busbars and busbars cover), |
| Weight | Kg | About 15.5Kg |

DPS 15000W series technical indicators (10V-200V)

| | G | | 10-1500 | 20-750 | 30-510 | 40-375 | 50-300 | 60-255 | 80-195 | 100-150 | 150-102 | 200-75 | | |
|---|--|--|--|--|---|--|---|--------------------------------------|--------------------------------------|--------------------|------------------|---------|--|--|
| Voltage adjustable | range (*1) | v | 0~10.5 | 0~21 | 0~32 | 0~42 | 0~53 | 0~63 | 0~84 | 0~105 | 0~158 | 0~210 | | |
| Current adjustable | range (*2) | А | 0~1575 (*8) | 0~789 | 0~540 | 0~396 | 0~315 | 0~270 | 0~204 | 0~162 | 0~108 | 0~81 | | |
| Rated power (OP rated value) | P=105% of | W | 15000 | 15000 | 15300 | 15000 | 15000 | 15300 | 15600 | 15000 | 15300 | 15000 | | |
| rated value) | | | | | | | | | | | | | | |
| INPUT CHARAC | TERISTICS | | 10-1500 | 20-750 | 30-510 | 40-375 | 50-300 | 60-255 | 80-195 | 100-150 | 150-102 | 200-75 | | |
| | | | C: Three-phase 170~265Vac (3W+G) / 47~63Hz | | | | | | | | | | | |
| Input voltage/frequ | iency | | | D: Three-phase 342~460Vac (3W+G) / 47~63Hz E: Three-phase 342~528Vac (3W+G) / 47~63Hz | | | | | | | | | | |
| | | | 1 | · · · · · · · · · · · · · · · · · · · | / | Iz | | | | | | | | |
| Power Factor (Typ Efficiency at 200' | | | 0.94@200/380 | Vac, rated outp | ut power. | | | | | | | | | |
| rated output | vac/380 vac, | % | 88 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | | |
| CONSTANT VOI | LTAGE MOD | Е | 10-1500 | 20-750 | 30-510 | 40-375 | 50-300 | 60-255 | 80-195 | 100-150 | 150-102 | 200-75 | | |
| Max. Line regulati | | | | | 50 510 | 10 575 | 50 500 | 00 255 | 00 199 | 100 150 | 150 102 | 200 75 | | |
| | | | | 11% of rated output voltage 11% of rated output voltage+5mV | | | | | | | | | | |
| Ripple and noise | | | | | | | | | | | | | | |
| (p-p, 20MHz) | | mV | 80 | 80 | 80 | 80 | 80 | 100 | 100 | 120 | 120 | 200 | | |
| Ripple r.m.s. 5Hz~ | 1MHz | mV | 12 | 12 | 12 | 12 | 12 | 20 | 20 | 20 | 20 | 60 | | |
| Temperature coeff | icient | | 50PPM/°C from | n rated output vo | oltage, following | 30 minutes warn | n-up. | | | | | | | |
| Temperature stabil | ity | | 0.01% of rated | Vout over 8hrs i | nterval following | 30 minutes war | m-up. Constant li | ne, load & temp. | | | | | | |
| Warm-up drift | | | Less than 0.01 | % of rated outpu | t voltage+2mV o | ver 30 minutes fo | ollowing power o | n. | | | | | | |
| Sense compensatio | on (*5) | v | 2 | 2 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | | |
| Rise response time | : (*6) | mS | 30 | 30 | 30 | 30 | 30 | 50 | 50 | 50 | 50 | 50 | | |
| Fall response | Full load | mS | 50 | 50 | 80 | 80 | 80 | 80 | 100 | 100 | 100 | 100 | | |
| time (*7) | No load | mS | 600 | 900 | 1500 | 1500 | 2000 | 2000 | 2500 | 2500 | 3000 | 3500 | | |
| Transient response | time | mS | <2mS (Time f | or output voltage | e to recover with | in 0.5% of its rate | ed output for a lo | ad change 10~90 | % of rated outpu | t current.) | | | | |
| Start up delay | | ≤ | | | | | and enters stand | | | , , | | | | |
| | | - | ob (rumon a | ie potrei striten, | | | | | | | | | | |
| CONSTANT CUI | RRENT MOD | E | 10-1500 | 20-750 | 30-510 | 40-375 | 50-300 | 60-255 | 80-195 | 100-150 | 150-102 | 200-75 | | |
| Max. Line regulati | on (*3) | | 0.05% of rated output current. | | | | | | | | | | | |
| Max. Line regulati | on | | 0.08% of rated | output current. | | | | | | | | | | |
| Ripple r.m.s. 5Hz~ | 1MHz | mA | ≤1500 | ≤800 | ≤500 | ≤400 | ≤300 | ≤200 | ≤150 | ≤100 | ≤80 | ≤45 | | |
| Temperature coeff | icient | | | | | | ing 30 minutes w | | | | | | | |
| 1 | ity | | | | | | ving 30 minutes v m-up. Constant li | ne, load & tempe | rature. | | | | | |
| • | | | | | | | | | | | | | | |
| Temperature stabil | | | | del: Less than ±0 | 0.25% of rated ou | tput current over | 30 minutes follo | owing power on. | | | | | | |
| Temperature stabil | | | 10V~100V mo | | | | | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift | RAMMING 2 | | 10V~100V mo 150V~200V m | odel: Less than = | =0.15% of rated of | output current ov | | | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG | | | 10V~100V mo 150V~200V m ONITORING (I | odel: Less than = | 0.15% of rated of the output o | UT) | | lowing power on | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr | amming | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V | odel: Less than = SOLATED FR(' or 0~10V, user | 0.15% of rated of DM THE OUTP selectable. Accur | UT) acy and linearity | er 30 minutes fol | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progr | amming amming | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V | odel: Less than = SOLATED FR(7 or 0~10V, user 7 or 0~10V, user | E0.15% of rated on the output of the output | UT) acy and linearity acy and linearity | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated | lowing power on. I Vout. Iout. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progr Vout resistor progr | ramming amming ramming | AND M(| 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5/1 | odel: Less than = SOLATED FR(f or 0~10V, user f or 0~10V, user 0Kohm full scal | -0.15% of rated of DM THE OUTP selectable. Accurr selectable. Accurr e, user selectable | UT) UT) acy and linearity acy and linearity . Accuracy and l | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% o | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progra Vout resistor progr Iout resistor progra | amming amming amming amming | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~100%, 0~5/1 | odel: Less than = SOLATED FRC 7 or 0~10V, user 7 or 0~10V, user 0Kohm full scal | =0.15% of rated of DM THE OUTP selectable. Accur e, user selectable e, user selectable | UT) acy and linearity acy and linearity . Accuracy and l . Accuracy and l | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progra Vout resistor progra Iout resistor progra Output voltage mo | amming amming amming amming nitor | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~100%, 0~5/1 0~5V or 0~10V | odel: Less than = SOLATED FRO <i>T</i> or 0~10V, user <i>T</i> or 0~10V, user 0Kohm full scal 0Kohm full scal <i>T</i> , user selectable | 0.15% of rated of DM THE OUTP selectable. Accur e, user selectable e, user selectable . Accuracy: ±0.5 | UT) acy and linearity acy and linearity c. Accuracy and l c. Accuracy and l % of rated Vout. | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% o | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progra Vout resistor progra Output sistor progra Output voltage mo Output current mo | amming amming amming amming nitor nitor | AND M4 | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5// 0~100%, 0~5// 0~100%, 0~5// 0~5V or 0~10V 0~5V or 0~10V | odel: Less than = SOLATED FR(Y or 0~10V, user Y or 0~10V, user 0Kohm full scal 0Kohm full scal 1, user selectable 7, user selectable | 0.15% of rated of DM THE OUTP selectable. Accur selectable. Accur e, user selectable e, user selectable . Accuracy: ±0.5 . Accuracy: ±0.5 | UT) acy and linearity acy and linearity . Accuracy and l Accuracy and l % of rated Vout. % of rated Iout. | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% o | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progra Vout resistor progra Iout resistor progra Output voltage mo | amming amming amming amming nitor nitor | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5// 0~100%, 0~5// 0~100%, 0~5// 0~5V or 0~10V 0~5V or 0~10V | odel: Less than = SOLATED FR(Y or 0~10V, user Y or 0~10V, user 0Kohm full scal 0Kohm full scal 1, user selectable 7, user selectable | 0.15% of rated of DM THE OUTP selectable. Accur e, user selectable e, user selectable . Accuracy: ±0.5 | UT) acy and linearity acy and linearity . Accuracy and l Accuracy and l % of rated Vout. % of rated Iout. | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% o | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr lout voltage progr lout resistor progr lout resistor progra Output voltage mo Output voltage mo Output current mo Remote switch on/ | amming amming amming amming nitor nitor off | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5// 0~100%, 0~5// 0~100%, 0~5// 0~5V or 0~10V 0~5V or 0~10V | odel: Less than = SOLATED FR(Y or 0~10V, user Y or 0~10V, user 0Kohm full scal 0Kohm full scal 1, user selectable 7, user selectable | 0.15% of rated of DM THE OUTP selectable. Accur selectable. Accur e, user selectable e, user selectable . Accuracy: ±0.5 . Accuracy: ±0.5 | UT) acy and linearity acy and linearity . Accuracy and l Accuracy and l % of rated Vout. % of rated Iout. | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% o | lowing power on. | | | | | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progra lout voltage progra Vout resistor progra Dutput voltage mo Dutput voltage mo Dutput utrent mo Remote switch on/ FUNCTIONS AN | amming amming amming nitor nitor off D FEATURE | AND M | 10V~100V mo 150V~200V m ONITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~5V or 0~10V 0~5V or 0~10V High and low I Support series/ | odel: Less than = SOLATED FR(Y or 0~10V, user Y or 0~10V, user OKohm full scal OKohm full scal OKohm full scal V, user selectable evel or dry conta parallel operatio | 0.15% of rated of 0M THE OUTP selectable. Accur selectable. Accur e, user selectable e, user selectable . Accuracy: ±0.5 . Accuracy: ±0.5 in of the same spectrum | UT) acy and linearity acy and linearity acy and linearity . Accuracy and l . Accuracy and l % of rated Vout. % of rated Iout. power switch | er 30 minutes fol | lowing power on. | | connection is us | ed for automatic | current | | |
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| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr lout voltage progr lout resistor progr lout resistor progr Output voltage mo Output voltage mo Output current mo Remote switch on/ FUNCTIONS AN Series/parallel ope Constant power co | amming amming amming amming nitor nitor off D FEATURE ration ntrol | AND M4 S S | 10V~100V mo 150V~200V m 0NITORING (1 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5// 0~100%, 0~5// 0~5V or 0~10V 0~5V or 0~10V High and low l Support series/ sharing in mass The power wit | odel: Less than = SOLATED FR(7 or 0~10V, user 7 or 0~10V, user 1 0Kohm full scal 0Kohm full scal 0Kohm full scal 7, user selectable evel or dry conta parallel operatio ter-slave operatio hin the rated pow | 0.15% of rated of DM THE OUTP selectable. Accur selectable. Accur e, user selectable e, user selectable e, user selectable Accuracy: ±0.5 Accuracy: ±0.5 int signal control n of the same spec- on mode. yer range can be | UT) acy and linearity acy acy and linearity acy acy and linearity acy acy and linearity acy | er 30 minutes fol | lowing power on. | | connection is us | ed for automatic | current | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Iout voltage progr Iout voltage progr Iout resistor progr Output voltage mo Output voltage mo Output voltage mo Output current mo Remote switch on/ FUNCTIONS AN Series/parallel ope Constant power co Output resistance o | amming amming amming amming nitor nitor off D FEATURE ration ntrol control | AND M S S | 10V~100V mo 150V~200V m 0NITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~100%, 0~5/1 0~5V or 0~10V 0~5V or 0~10V High and low I Support series/ sharing in mass The power witt Emulates serie | odel: Less than = SOLATED FR(f or 0~10V, user 1 or 0~10V, user 10Kohm full scal 10Kohm full scal 10Kohm full scal 1, user selectable evel or dry conta parallel operatio hin the rated pow s resistance. Res | e0.15% of rated of DM THE OUTP selectable. Accur e, user selectable. Accur e, user selectable . Accuracy: ±0.5 . Accuracy: ±0 | UT) acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity c. Accuracy and l % of rated Vout. % of rated Vout. % of rated Iout. power switch cification and m set to achieve con 1000mΩ. | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% of inearity: ±0.5% of odel to expand volume instant power mod | lowing power on. | | connection is us | ed for automatic | current | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Vout voltage progr Vout resistor progr Iout resistor progr Output voltage mo Output voltage mo Output current mo Remote switch on/ FUNCTIONS AN Series/parallel ope Constant power co | amming amming amming amming nitor nitor off D FEATURE ration ntrol control | AND M4 S S | 10V~100V mo 150V~200V m 0NITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~5V or 0~10V 0~5V or 0~10V High and low l Support series/ sharing in mass The power witt Emulates serie Programmable | odel: Less than = SOLATED FR(or 0~10V, user or 0~10V, user 0Kohm full scal 0Kohm full scal 0Kohm full scal 0, user selectable v, user selectable evel or dry conta parallel operatio ter-slave operatio hin the rated pow s resistance. Resi output rise and f | e0.15% of rated of DM THE OUTP selectable. Accur e, user selectable e, user selectable e, user selectable accuracy: ±0.5 Accuracy: ±0.5 Accuracy: ±0.5 into the same spennimode. ver range can be sistance range: 1~ all slopes. Program | UT) acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity Accuracy and l % of rated Vout. % of rated Vout. % of rated Iout. power switch crification and m set to achieve con 1000mΩ. amming range: 0 | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% of inearity: ±0.5% of odel to expand vo stant power mod .0001~999.9V/m | lowing power on. | d power; Parallel | | | current | | |
| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr Vout voltage progr Vout resistor progr Output voltage mo Output voltage mo Output current mo Remote switch on/ FUNCTIONS AN Series/parallel ope Constant power co Output resistance of Voltage and cur | amming amming amming amming mitor nitor off D FEATURE ration ntrol control rrent slope | AND M S S | 10V~100V mo 150V~200V m 0NITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~5V or 0~10V 0~5V or 0~10V High and low l Support series/ sharing in mass The power witt Emulates serie Programmable | odel: Less than = SOLATED FR(or 0~10V, user or 0~10V, user 0Kohm full scal 0Kohm full scal 0Kohm full scal 0, user selectable v, user selectable evel or dry conta parallel operatio ter-slave operatio hin the rated pow s resistance. Resi output rise and f | e0.15% of rated of DM THE OUTP selectable. Accur e, user selectable e, user selectable e, user selectable accuracy: ±0.5 Accuracy: ±0.5 Accuracy: ±0.5 into the same spennimode. ver range can be sistance range: 1~ all slopes. Program | UT) acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity Accuracy and l % of rated Vout. % of rated Vout. % of rated Iout. power switch crification and m set to achieve con 1000mΩ. amming range: 0 | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% of inearity: ±0.5% of odel to expand vo stant power mod .0001~999.9V/m | lowing power on. | d power; Parallel | | | current | | |
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| Temperature stabil Warm-up drift ANALOG PROG Vout voltage progr vout voltage progr out voltage progr out resistor progr out resistor progr Output voltage mo Dutput voltage mo Dutput current mo Remote switch on/ FUNCTIONS AN Series/parallel ope Constant power co Dutput resistance of Voltage and cur control | amming amming amming amming amming amming amming off off D FEATURE ration ntrol control rrent slope put | AND M - | 10V~100V mo 150V~200V m 0NITORING (I 0~100%, 0~5V 0~100%, 0~5V 0~100%, 0~5/1 0~100%, 0~5/1 0~5V or 0~10V 0~5V or 0~10V High and low 1 Support series/ sharing in mass The power witt Emulates serie Programmable Four LIST pro- | odel: Less than = SOLATED FR (f or 0~10V, user f or 0~10V, user 0Kohm full scal 0Kohm full scal 0Kohm full scal (user selectable evel or dry conta parallel operatio iter-slave operatio hin the rated pow s resistance. Resi output rise and f gram files can be s can be set | 0.15% of rated of DM THE OUTP selectable. Accur selectable. Accur e, user selectable e, user selectable . Accuracy: ±0.5 . Accuracy: ±0.5 . Accuracy: ±0.5 . Accuracy: ±0.5 . Accuracy: ±0.7 . Ac | UT) acy and linearity acy acy acy acy and linearity acy | er 30 minutes fol : ±0.15% of rated : ±0.4% of rated inearity: ±0.5% of inearity: ±0.5% of odel to expand volume odel to expand volume nstant power mod .0001~999.9V/m o 200 steps of da | lowing power on. | d power; Parallel e execution mod | es: count, loop ar | nd single step. | | | |

High-quality power supply supplier

| | | 40.4800 | | | 10.000 | | | 00.405 | 100 1 50 | 100.000 | |
|--|--------|------------------|---------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| DIGITAL PROGRAM CONT | ROL | 10-1500 | 20-750 | 30-510 | 40-375 | 50-300 | 60-255 | 80-195 | 100-150 | 150-102 | 200-75 |
| Vout programming accuracy | | | output voltage | | | | | | | | |
| Iout programming accuracy | | 0.1% of rated of | output current | | | | | | | | |
| Vout programming resolution | | 0.002% of rate | d output voltage | | | | | | | | |
| Iout programming resolution | | 0.002% of rate | d output current | | | | | | | | |
| Vout readback accuracy | | 0.05% of rated | output voltage | | | | | | | | |
| Iout readback accuracy | | 0.1% of rated of | o of rated output current | | | | | | | | |
| Vout readback resolution (of rated output voltage) | F.S. | 0.011% | 0.006% | 0.004% | 0.003% | 0.002% | 0.002% | 0.002% | 0.011% | 0.007% | 0.005% |
| Iout readback resolution (of rated output current)) | F.S. | 0.0012% | 0.003% | 0.003% | 0.004% | 0.004% | 0.005% | 0.006% | 0.008% | 0.012% | 0.002% |
| Communication interface | | Built-in USB/I | RS-232/RS-485/0 | CAN interface, of | ptional LAN inte | rface;Supports M | lodbus-RTU and | SCPI industry st | andard communi | cation protocols. | |
| FRONT PANEL MONITORI | NG AND | CONTROL | | | | | | | | | |
| Operation mode | | Programmer k | nob,digital key a | nd multi-functior | n key | | | | | | |
| Display | | 5 digits OLED | screen displays | output voltage, c | urrent, power, wo | orking status and | other information | n; Support Chine | se and English m | enu switching di | splay. |
| Voltage display accuracy | | 0.05% of rated | output voltage± | l count. | | | | | | | |
| Current display accuracy | | 0.1% of rated of | output current±1 | ount. | | | | | | | |
| Voltage setting accuracy | | 0.05% of rated | output voltage | | | | | | | | |
| Current setting accuracy | | 0.1% of rated of | output current | | | | | | | | |
| Setpoint resolution | | 5 digits OLED | ; display forma | t: 99999, current | t value decreases | by one digit, dec | imal point autom | atically increase | s by one digit, m | aximum resolutio | n: 0.001 |
| Display value resolution | | 5 digits OLED | ; display forma | t: 99999, current | value decreases | by one digit, dec | imal point autom | atically increase | s by one digit, m | aximum resolutio | n: 0.001 |
| ENVIRONMENT APPLICAB | BILITY | | | | | | | | | | |
| Operating temperature | °C | S: Civil grade | • (0°C ~ +50°C) | ; G: Industrial | grade (-25°C~ | +55°C) | | | | | |
| Storage temperature | °C | S: Civil grade | -20°C ~ +70°C | C); G: Industri | ial grade (-30°C | ~+85°C) | | | | | |
| Operating humidity | % | 20~90% RH (r | o condensation). | | | | | | | | |
| Storage humidity | % | 10~95% RH (r | o condensation). | | | | | | | | |
| Cooling | | Forced air coo | ling by internal fa | ans. Air flow dire | ection: from Fron | t panel to power | supply rear | | | | |
| MECHANICAL | | | | | | | | | | | |
| Dimensions (WxHxD) | mm | W420, H132, I | D443 (Without b | isbars and busba | irs cover), | | | | | | |
| Weight | Kg | About 23Kg | | | | | | | | | |

DPS15000W series technical indicators (300V-3000V)

| OUTPUT RATIN | G | | 300-51 | 400-39 | 500-30 | 600-25 | 1000-15 | 1200-13 | 1500-10 | 2000-7.5 | 2500-6 | 3000-5 |
|------------------------------------|-------------|----------|--|---|-------------------|---------------------|--------------------|------------------|------------------|--------------|--------|--------|
| Voltage adjustable | range (*1) | v | 0~315 | 0~420 | 0~525 | 0~630 | 0~1050 | 0~1260 | 0~1575 | 0~2100 | 0~2550 | 0~3050 |
| Current adjustable | range (*2) | А | 0~54 | 0~42 | 0~33 | 0~27 | 0~16 | 0~14 | 0~11 | 0~8 | 0~6.5 | 0~5.5 |
| Rated power (OPP=105% of ra | ted value) | W | 15200 | 15600 | 15000 | 15000 | 15000 | 15600 | 15000 | 15000 | 15000 | 15000 |
| INPUT CHARAC | TERISTICS | | 300-51 | 400-39 | 500-30 | 600-25.5 | 1000-15 | 1200-13 | 1500-10 | 2000-7.5 | 2500-6 | 3000-5 |
| | | | C: Three-pha | se 170~265Vac (. | 3W+G) / 47~63H | Iz | · | | | · | • | |
| Input voltage/frequency | | | D: Three-phase 342~460Vac (3W+G) / 47~63Hz | | | | | | | | | |
| | | | E: Three-phas | se 342~528Vac (3 | 3W+G) / 47~63H | Iz | | | | | | |
| Power Factor (Typ) |) | | 0.94@200/380 | -phase 342~528Vac (3W+G) / 47~63Hz //380Vac, rated output power. | | | | | | | | |
| Efficiency at 200V rated output | /ac/380Vac, | % | 92 | 92 | 92 | 92 | 93 | 93 | 93 | 93 | 93 | 93 |
| CONSTANT VOL | TAGE MOD | ЭE | 300-51 | 400-39 | 500-30 | 600-25 | 1000-15 | 1200-13 | 1500-10 | 2000-7.5 | 2500-6 | 3000-5 |
| Max. Line regulation | on (*3) | | 0.01% of rated | output voltage | | | | | | | | |
| Max. Line regulation | on (*4) | | 0.01% of rated | output voltage+: | 5mV | | | | | | | |
| Ripple and noise (p-p, 20MHz) | | mV | 150 | 250 | 450 | 500 | 660 | 700 | 1000 | 1500 | 2000 | 2500 |
| Ripple r.m.s. 5Hz~ | 1MHz | mV | 30 | 50 | 90 | 100 | 150 | 170 | 200 | 300 | 450 | 600 |
| Temperature coeffi | cient | | 50PPM/°C from | m rated output vo | oltage, following | 30 minutes warn | n-up. | | | | | |
| Temperature stabili | ty | | 0.01% of rated | Vout over 8hrs i | nterval following | g 30 minutes war | m-up. Constant li | ne, load & temp. | | | | |
| Warm-up drift | | | Less than 0.01 | % of rated output | t voltage+2mV o | ver 30 minutes fo | ollowing power o | on. | | | | |
| Sense compensatio | n (*5) | v | 5 | 5 | 5 | 5 | | | | | | |
| Rise response time | (*6) | mS | 50 | 100 | 100 | 100 | 100 | 150 | 150 | 150 | 200 | 250 |
| Fall response | Full load | mS | 100 | 200 | 200 | 200 | 200 | 220 | 220 | 250 | 250 | 280 |
| time (*7) | No load | mS | 4000 | 4000 | 4500 | 5000 | 6000 | 6500 | 7000 | 8000 | 9000 | 10000 |
| Transient response | time | mS | ≤2mS (Time | for output voltage | e to recover with | in 0.5% of its rate | ed output for a lo | ad change 10~90 | % of rated outpu | t current.) | | |
| Start up delay | | <u>≤</u> | 6S (Turn on t | ne power switch, | the time when t | he power starts | and enters stand | by mode) | | | | |
| | | | 1 | | | | | | | | | |

High-quality power supply supplier

| CONSTANT CURRENT MOI | | | | | | | | | | | |
|--|---|--|--|--|--|---|--|---|--|--------------------|--------------------|
| CONSTANT CORRENT MOI | DE | 300-51 | 400-39 | 500-30 | 600-25 | 1000-15 | 1200-13 | 1500-10 | 2000-7.5 | 2500-6 | 3000-5 |
| Max. Line regulation (*3) | | 0.05% of rated | l output current. | | | | | | | | |
| Max. Line regulation | | 0.08% of rated | l output current. | | | | | | | | |
| Ripple r.m.s. 5Hz~1MHz | mA | ≤45 | ≤35 | ≤30 | ≤25 | ≤20 | ≤15 | ≤10 | ≤10 | ≤10 | ≤10 |
| Temperature coefficient | | 70PPM/°C from | m rated output cu | urrent, following | 30 minutes warm | n-up. | | | | | |
| Temperature stability | | 0.01% of rated | l Iout over 8hrs. i | nterval following | g 30 minutes war | m-up. Constant li | ine, load & temp | erature. | | | |
| Warm-up drift | | Less than ±0.1 | 5% of rated outp | ut current over 3 | 0 minutes follow | ing power on. | | | | | |
| ANALOG PROGRAMMING | AND M | ONITORING (1 | ISOLATED FRO | OM THE OUTF | PUT) | | | | | | |
| Vout voltage programming | | | | | , | : ±0.15% of rated | l Vout. | | | | |
| Iout voltage programming | | | | | | : ±0.4% of rated | | | | | |
| | | | | | | inearity: ±0.5% c | | | | | |
| Vout resistor programming | | | | | - | - | | | | | |
| Iout resistor programming | | | | | - | inearity: ±0.5% c | of Taled Toul. | | | | |
| Output voltage monitor | | | or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout. | | | | | | | | |
| Output current monitor | | | or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout. | | | | | | | | |
| Remote switch on/off | | High and low l | level or dry conta | ct signal control | power switch | | | | | | |
| FUNCTIONS AND FEATURE | lS | | | | | | | | | | |
| Series/parallel operation | | | /parallel operation ter-slave operation | | ecification and m | odel to expand ve | oltage, current an | d power; Paralle | connection is us | ed for automatic | current |
| Constant power control | | | * | | set to achieve cor | nstant power mod | le | | | | |
| Output resistance control | | | s resistance. Resi | | | - | | | | | |
| Voltage and current slope | | | | | | .0001~999.9V/m | S or A/mS | | | | |
| control | | | | | | | | | | | |
| LIST dynamic output | | | - | saved, and each | file can edit up t | o 200 steps of da | ta; There are thre | e execution mod | es: count, loop a | nd single step. | |
| Timer function | | 0-9999 minutes | s can be set | | | | | | | | |
| Quick data storage/recall | | | - | - | - | current and other | - | | - | _ | - |
| Protection function | | Output overvol overvoltage pro | | overcurrent prote | ection, overload p | protection, over-t | emperature prote | ction, short circu | it protection, inp | ut undervoltage p | rotection, |
| DIGITAL PROGRAM CONT | ROL | 300-51 | 400-39 | 500-30 | 600-25 | 1000-15 | 1200-13 | 1500-10 | 2000-7.5 | 2500-6 | 3000-5 |
| Vout programming accuracy | | 0.05% of rated | l output voltage | | | | | | | | |
| Iout programming accuracy | | 0.2% of rated of | output current; | (Models within | 10A: 0.5% of rat | ted output currer | nt) | | | | |
| Vout programming resolution | | 0.002% of rate | ed output voltage | | | | | | | | |
| Iout programming resolution | | 0.002% of rate | ed output current | | | | | | | | |
| Vout readback accuracy | | 0.05% of rated | l output voltage | | | | | | | | |
| Iout readback accuracy | | 0.2% of rated of | output current; | (Models within | 10A: 0.5% of rat | ted output currer | nt) | | | | |
| Vout readback resolution | F.S. | 0.004% | 0.003% | 0.003% | 0.002% | 0.011% | 0.010% | 0.007% | 0.006% | 0.005% | 0.004% |
| (of rated output voltage) Iout readback resolution | | 0.004/0 | | 0.00570 | 0.00270 | 0.01170 | 0.01070 | 0.00770 | 0.00070 | 0.00570 | 0.00470 |
| | F.S. | | | | | | | | | | |
| (of rated output current)) | 1.5. | 0.003% | 0.003% | 0.004% | 0.005% | 0.008% | 0.010% | 0.011% | 0.020% | 0.002% | 0.003% |
| (of rated output current)) Communication interface | | | 0.003% | | | 0.008% rface;Supports M | | | | | 0.003% |
| · · · · · · · · · · · · · · · · · · · | | Built-in USB/F | 0.003% | | | | | | | | 0.003% |
| Communication interface | | Built-in USB/F | 0.003% | CAN interface, o | ptional LAN inte | | | | | | 0.003% |
| Communication interface FRONT PANEL MONITORIN | NG AND | Built-in USB/F CONTROL Programmer kr | 0.003% RS-232/RS-485/0 nob,digital key au | CAN interface, o nd multi-function | ptional LAN inte n key | | lodbus-RTU and | SCPI industry st | andard communi | cation protocols. | |
| Communication interface FRONT PANEL MONITORIN Operation mode | NG AND | Built-in USB/F CONTROL Programmer kr 5 digits OLED | 0.003% RS-232/RS-485/0 nob,digital key au | CAN interface, o nd multi-function putput voltage, c | ptional LAN inte n key | rface;Supports M | lodbus-RTU and | SCPI industry st | andard communi | cation protocols. | |
| Communication interface FRONT PANEL MONITORIN Operation mode Display | NG AND | Built-in USB/F CONTROL Programmer kn 5 digits OLED 0.05% of rated | 0.003% RS-232/RS-485/(nob,digital key ar screen displays l output voltage± | CAN interface, of nd multi-function putput voltage, c l count. | ptional LAN inte | rface;Supports M | lodbus-RTU and | SCPI industry st | andard communi | cation protocols. | |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy | NG AND | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c | 0.003% RS-232/RS-485/(nob,digital key ar screen displays l output voltage± | CAN interface, of nd multi-function putput voltage, c l count. | ptional LAN inte | rface;Supports M | lodbus-RTU and | SCPI industry st | andard communi | cation protocols. | |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy | NG AND | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c 0.05% of rated | 0.003% RS-232/RS-485/0 nob,digital key au 9 screen displays 1 output voltage± output current±1 1 output voltage | CAN interface, o nd multi-function output voltage, c l count. count.; (Model | h key urrent, power, wo s within 10A: 0. | rface;Supports M | lodbus-RTU and other informatio ut current±1cou | SCPI industry st | andard communi | cation protocols. | |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy | NG AND | Built-in USB/F CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c 0.05% of rated c | 0.003% RS-232/RS-485/C nob,digital key at screen displays d output voltage± poutput current±1 d output voltage poutput current; | CAN interface, o ad multi-function output voltage, c l count. count.; (Model (Models within | ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat | rface;Supports M prking status and 5% of rated outp ted output curren | lodbus-RTU and other information ut current±1cou | SCPI industry st n; Support Chine nt.) | andard communi | eation protocols. | splay. |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution | NG AND | Built-in USB/F CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c 0.05% of rated c 0.2% of rated c 5 digits OLED | 0.003% RS-232/RS-485/C nob,digital key ar 9 screen displays 1 output voltage± putput current±1 1 output voltage putput current; 9; display forma | CAN interface, of ad multi-function output voltage, c l count. count.; (Model (Models within t: 99999, current | ptional LAN inte htey urrent, power, wo s within 10A: 0. 10A: 0.5% of rat | rface;Supports M prking status and 5% of rated outp ted output curren by one digit, dec | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution | NG AND | Built-in USB/F CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c 0.05% of rated c | 0.003% RS-232/RS-485/C nob,digital key ar 9 screen displays 1 output voltage± putput current±1 1 output voltage putput current; 9; display forma | CAN interface, of ad multi-function output voltage, c l count. count.; (Model (Models within t: 99999, current | ptional LAN inte htey urrent, power, wo s within 10A: 0. 10A: 0.5% of rat | rface;Supports M prking status and 5% of rated outp ted output curren | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB | NG AND BILITY | Built-in USB/F CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c 0.05% of rated c 0.2% of rated c 5 digits OLED 5 digits OLED | 0.003% RS-232/RS-485/C nob,digital key ar 9 screen displays of 1 output voltage± poutput current±1 1 output voltage poutput current; 2; display forma 2; display forma | CAN interface, of ad multi-function output voltage, c l count. count.; (Model (Models within t: 99999, current t: 99999, current | ptional LAN inte they urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases | rface;Supports M prking status and 5% of rated outp ted output currer by one digit, dec by one digit, dec | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature | NG AND BLITY °C | Built-in USB/F CONTROL Programmer kr 5 digits OLED 0.05% of rated c 0.2% of rated c 0.2% of rated c 0.2% of rated c 5 digits OLED 5 digits OLED S: Civil grade | 0.003% RS-232/RS-485/C nob,digital key au 9 screen displays a 1 output voltage± output current±1 1 output voltage output current; 9; display forma 9; display forma e (0°C ~ +50°C) | CAN interface, op and multi-function putput voltage, c lcount. (Models within t: 99999, current t: 99999, current ; G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases grade (-25°C ~ | rface;Supports M prking status and 5% of rated outp ted output curren by one digit, dec by one digit, dec +55°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature Storage temperature | | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated of 0.2% of rated of 0.2% of rated of 0.2% of rated of 5 digits OLED 5 digits OLED S: Civil grade S: Civil grade | 0.003% RS-232/RS-485/C nob,digital key at 9 screen displays 1 output voltage output current ± 1 1 output voltage output current; 9; display forma 9; display forma 9; display forma 9; c) (°C ~ +50°C) 9; (-20°C ~ +70°C) | CAN interface, of ad multi-function putput voltage, c lcount. (Models within t: 99999, current t: 99999, current ; G: Industrial C); G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases grade (-25°C ~ | rface;Supports M prking status and 5% of rated outp ted output curren by one digit, dec by one digit, dec +55°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature | NG AND BLITY °C | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated of 0.2% of rated of 0.2% of rated of 0.2% of rated of 5 digits OLED 5 digits OLED S: Civil grade S: Civil grade | 0.003% RS-232/RS-485/C nob,digital key au 9 screen displays of 1 output voltage± output current±1 1 output voltage output current; 1; display forma 2; display forma e (0°C ~ +50°C) | CAN interface, of ad multi-function putput voltage, c lcount. (Models within t: 99999, current t: 99999, current ; G: Industrial C); G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases grade (-25°C ~ | rface;Supports M prking status and 5% of rated outp ted output curren by one digit, dec by one digit, dec +55°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature Storage temperature | | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated 0.2% of rated c 0.05% of rated c 0.2% of rated c 5 digits OLED 5 digits OLED S: Civil grade 20–90% RH (n | 0.003% RS-232/RS-485/C nob,digital key at 9 screen displays 1 output voltage output current ± 1 1 output voltage output current; 9; display forma 9; display forma 9; display forma 9; c) (°C ~ +50°C) 9; (-20°C ~ +70°C) | CAN interface, o ad multi-function output voltage, c l count. (Models within t: 99999, current t: 99999, current ; G: Industrial C); G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases grade (-25°C ~ | rface;Supports M prking status and 5% of rated outp ted output curren by one digit, dec by one digit, dec +55°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature Storage temperature Operating humidity | NG AND BLITY °C % | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated c 0.2% of rated c 0.2% of rated c 0.2% of rated c 5 digits OLED 5 digits OLED S: Civil grade S: Civil grade 20–90% RH (n | 0.003% RS-232/RS-485/C nob,digital key ar 9 screen displays 1 output voltage± poutput current±1 1 output voltage poutput current; 2; display forma 2; display forma 3; display forma 3; display forma 3; display forma 3; display forma 3; display forma 3; display forma 4; display forma 3; display forma 4; display f | CAN interface, of ad multi-function output voltage, c lcount. count.; (Model (Models within t: 99999, current t: 99999, current ; G: Industrial C); G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases grade (-25°C ~ ial grade (-30°C | rface;Supports M prking status and 5% of rated outp ted output curren by one digit, dec by one digit, dec +55°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature Storage temperature Operating humidity Storage humidity | NG AND BLITY *C *C *% | Built-in USB/R CONTROL Programmer kr 5 digits OLED 0.05% of rated c 0.2% of rated c 0.2% of rated c 0.2% of rated c 5 digits OLED 5 digits OLED S: Civil grade S: Civil grade 20–90% RH (n | 0.003% RS-232/RS-485/C nob,digital key ar 9 screen displays 1 output voltage± poutput current±1 1 output voltage poutput current; 2; display forma 2; display forma 3; display forma 3; display forma 3; display forma 3; display forma 3; display forma 3; display forma 4; display forma 3; display forma 4; display f | CAN interface, of ad multi-function output voltage, c lcount. count.; (Model (Models within t: 99999, current t: 99999, current ; G: Industrial C); G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases t value decreases grade (-25°C ~ ial grade (-30°C | rface;Supports M prking status and 5% of rated outp ted output currer by one digit, dec by one digit, dec +55°C) ~+85°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |
| Communication interface FRONT PANEL MONITORIN Operation mode Display Voltage display accuracy Current display accuracy Voltage setting accuracy Current setting accuracy Setpoint resolution Display value resolution ENVIRONMENT APPLICAB Operating temperature Storage temperature Storage temperature Operating humidity Storage humidity Cooling | NG AND BLITY *C *C *% | Built-in USB/F CONTROL Programmer kr 5 digits OLED 0.05% of rated c 0.2% of rated c 0.2% of rated c 0.2% of rated c 5 digits OLED 5 digits OLED S: Civil grade S: Civil grade 20–90% RH (n 10–95% RH (n | 0.003% RS-232/RS-485/C nob,digital key ar 9 screen displays 1 output voltage± poutput current±1 1 output voltage poutput current; 2; display forma 2; display forma 3; display forma 4; display f | CAN interface, of ad multi-function output voltage, c lcount. count.; (Model (Models within t: 99999, current t: 99999, current ; G: Industrial C); G: Industrial | ptional LAN inte ptional LAN inte h key urrent, power, wo s within 10A: 0. 10A: 0.5% of rat t value decreases grade (-25°C ~ ial grade (-30°C ection: from From | rface;Supports M prking status and 5% of rated outp ted output currer by one digit, dec by one digit, dec +55°C) ~+85°C) | lodbus-RTU and other informatio ut current±1cou nt) imal point autom | SCPI industry sta n; Support Chine nt.) atically increases | andard communi se and English m s by one digit, ma | ecation protocols. | splay. n: 0.001 |

Please contact the sales staff for information, when you want to know more than 15KW technical data.

NOTES:

- *1: Minimum voltage is guaranteed to maximum 0.1% of rated output voltage.
- *2: Minimum current is guaranteed to maximum 0.2% of rated output current.
- *3: Constant load.
- *4: From No-Load to Full-Load, constant input voltage. Measured at the sensing point in Remote Sense.
- *5: The maximum voltage on the power supply terminals must not exceed the maximum voltage.
- *6: From 10% to 90% or 90% to 10% of Rated Output Voltage, with rated, resistive load.
- *7: From 90% to 10% of Rated Output Voltage.
- *8: Derate 5A/1°C when ambient temperature above 40°C







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