JINGRI TECH 精日科技

DM series high-precision programmable DC power supply

1U half-width 1.7KW high power density

DSTpower

- High-precision
- Superior quality
- High power density

WWW.CN-POWER.CN

DM series high-precision programmable DC power supply

Product introduction

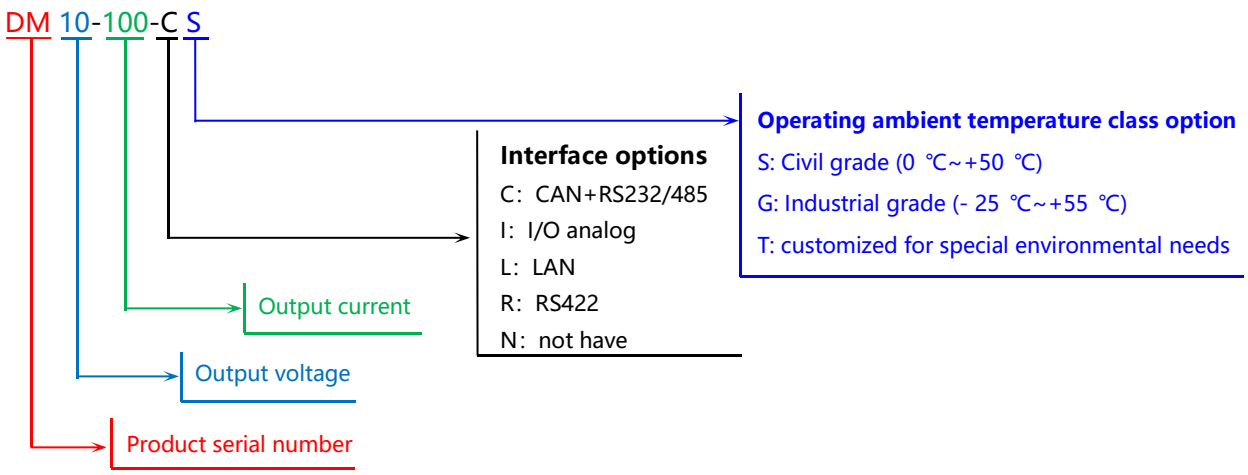
DM series high-precision programmable DC power supply is a cost-effective product with high-quality, high-power-density, multi-function, launched by our company to meet the needs of our customers. The specification voltage of this series of products can reach up to 2100V, and the maximum current can reach 180A. 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.

产品特点 Product features

- 19" rack mount capability for ATE and OEM application
- High resolution 16 bit ADC& DAC
- Active PFC (0.98 typical)
- LIST programming dynamic output
- Output Voltage up to 2100V, Current up to 180A
- CV/CC/CP operation modes
- Optional LAN, RS-232&485, CAN, I/O analog interfaces
- 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

Product selection function and optional model description



Quick selection table

600W series

DM10-60===10V/60A/600W	DM80-7.5===80V/7.5A/600W	DM500-1.2===500V/1.2A/600W
DM20-30===20V/30A/600W	DM100-6===100V/6A/600W	DM600-1====600V/1A/600W
DM30-20===30V/20A/600W	DM150-4===150V/4A/600W	DM1000-0.6==1000V/0.6A/600W
DM40-15===40V/15A/600W	DM200-3===200V/3A/600W	DM1200-0.5==1200V/0.5A/600W
DM50-12===50V/12A/600W	DM300-2===300V/2A/600W	DM1500-0.5==1500V/0.5A/750W
DM60-10===60V/10A/600W	DM400-1.5==400V/1.5A/600W	DM2000-0.3==2000V/0.3A/600W

1000W series

DM10-100==10V/100A/1000W	DM80-13====80V/13A/1040W	DM500-2====500V/2A/1000W
DM20-50===20V/50A/1000W	DM100-10===100V/10A/1000W	DM600-1.7===600V/1.7A/1020W
DM30-35===30V/35A/1050W	DM150-7====150V/7A/1050W	DM1000-1===1000V/1A/1000W
DM40-25===40V/25A/1000W	DM200-5====200V/5A/1000W	DM1200-1===1200V/1A/1200W
DM50-20===50V/20A/1000W	DM300-3.5===300V/3.5A/1050W	DM1500-0.7==1500V/0.7A/1050W
DM60-17===60V/17A/1020W	DM400-2.5===400V/2.5A/1000W	DM2000-0.5==2000V/0.5A/1000W

1700W series

DM10-170===10V/170A/1700W	DM80-21====80V/21A/1680W	DM500-3.4===500V/3.4A/1700W
DM20-85====20V/85A/1700W	DM100-17===100V/17A/1680W	DM600-2.8===600V/2.8A/1680W
DM30-56====30V/56A/1680W	DM150-11.2==150V/11.2A/1680W	DM1000-1.7==1000V/1.7A/1700W
DM40-42====40V/42A/1680W	DM200-8.5===200V/8.5A/1700W	DM1200-1.4==1200V/1.4A/1680W
DM50-34====50V/34A/1700W	DM300-5.6===300V/5.6A/1680W	DM1500-1.1==1500V/1.1A/1650W
DM60-28====60V/28A/1680W	DM400-4.2===400V/4.2A/1680W	DM2000-0.85=2000V/0.85A/1700W

Note: Please determine the model suffix letter based on the communication interface type and temperature level requirements, when you place an order.

Specifications

DM 600W series technical indicators (10V-200V)

OUTPUT RATING		10-60	20-30	30-20	40-15	50-12	60-10	80-7.5	100-6	150-4	200-3
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)	A	0～63	0～32	0～21	0～16	0～13	0～11	0～8	0～6.5	0～4.5	0～3.3
Rated power (OPP=105% of rated value)	W	600	600	600	600	600	600	600	600	600	600

INPUT CHARACTERISTICS		10-60	20-30	30-20	40-15	50-12	60-10	80-7.5	100-6	150-4	200-3
Input voltage/frequency	--	A：Single phase 85~265Vac									
Power Factor (Typ)	--	0.99@100Vac 0.98@200Vac，rated output power.									
Efficiency at 100Vac/200Vac, rated output	%	85/87	86/88	86/88	86/88	86/88	86/88	86/88	87/89	87/89	87/89

CONSTANT VOLTAGE MODE			10-60	20-30	30-20	40-15	50-12	60-10	80-7.5	100-6	150-4	200-3
Max. Line regulation (*3)		--	0.01% of rated output voltage									
Max. Line regulation (*4)		--	0.01% of rated output voltage+5mV									
Ripple and noise (p-p, 20MHz)		mV	75	80	80	80	80	100	100	120	120	150
Ripple r.m.s. 5Hz~1MHz		mV	10	12	12	12	12	20	20	20	20	30
Temperature coefficient		--	50PPM/°C from rated output voltage, following 30 minutes warm-up.									
Temperature stability		--	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 compensation (*5)		V	2	2	5	5	5	5	5	5	5	5
Rise response time (*6)		mS	20	20	20	20	20	20	20	25	50	50
Fall response time (*7)	Full load	mS	30	30	60	60	60	60	60	60	120	120
	No load	mS	600	1000	1500	2000	2500	2700	3000	3600	3900	4500
Transient response time		mS	≤2mS (Time for output voltage to recover within 0.5% of its rated output for a load change 10~90% of rated output current.)									
Start up delay		≤	6S (Turn on the power switch, the time when the power starts and enters standby mode)									

CONSTANT CURRENT MODE		10-60	20-30	30-20	40-15	50-12	60-10	80-7.5	100-6	150-4	200-3
Max. Line regulation (*3)	--	0.05% of rated output current.									
Max. Line regulation	--	Models above 8A: 0.08% of rated output current; Models within 8A: 0.02% of rated output current+5mA									
Ripple r.m.s. 5Hz~1MHz	mA	≤300	≤100	≤60	≤50	≤35	≤20	≤15	≤15	≤10	≤10
Temperature coefficient	--	10V~100V model: 100PPM/°C from rated output current, following 30 minutes warm-up. 150V~200V model : 70PPM/°C from rated output current, following 30 minutes warm-up.									
Temperature stability	--	0.01% of rated Iout over 8hrs. interval following 30 minutes warm-up. Constant line, load & temperature.									
Warm-up drift	--	10V~100V model: Less than ±0.25% of rated output current over 30 minutes following power on. 150V~200V model: Less than ±0.15% of rated output current over 30 minutes following power on.									

ANALOG PROGRAMMING AND MONITORING (ISOLATED FROM THE OUTPUT) (Optional)		
Vout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.15% of rated Vout.
Iout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.4% of rated Iout.
Vout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Vout.
Iout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout.
Output voltage monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout.
Output current monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout.
Remote switch on/off	--	High and low level or dry contact signal control power switch

FUNCTIONS AND FEATURES		
Series/parallel operation	--	Support series/parallel operation of the same specification and model to expand voltage, current and power; Parallel connection is used for automatic current sharing in master-slave operation mode.
Constant power control	--	The power within the rated power range can be set to achieve constant power mode
Output resistance control	--	Emulates series resistance. Resistance range: 1~1000mΩ.
Voltage and current slope control	--	Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS
LIST dynamic output	--	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 minutes can be set
Quick data storage/recall	--	It can store 4 groups of commonly used working data of voltage, current and other parameters, and can be quickly accessed through the digital buttons on the panel
Protection function	--	Output overvoltage protection, overcurrent protection, overload protection, over-temperature protection, short circuit protection, input undervoltage protection, overvoltage protection

DIGITAL PROGRAM CONTROL		10-60	20-30	30-20	40-15	50-12	60-10	80-7.5	100-6	150-4	200-3
Vout programming accuracy	--	0.05% of rated output voltage									
Iout programming accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% of rated output current									
Vout programming resolution	--	0.002% of rated output voltage									
Iout programming resolution	--	0.002% of rated output current									
Vout readback accuracy	--	0.05% of rated output voltage									
Iout readback accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% 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.	0.002%	0.004%	0.006%	0.008%	0.009%	0.011%	0.015%	0.020%	0.030%	0.040%
Communication interface	--	Built-in USB interface, optional CAN＆RS-232&RS-485, I/O analog, LAN, RS-422; Supports Modbus-RTU and SCPI industry standard communication protocols									

FRONT PANEL MONITORING AND CONTROL		
Operation mode	--	Programmer knob,digital key and multi-function key
Display	--	5 digits OLED screen displays output voltage, current, power, working status and other information; Support Chinese and English menu switching display.
Voltage display accuracy	--	0.05% of rated output voltage±1count.
Current display accuracy		Models within 10A：0.2% of rated output current±1count；Models above 10A：0.1% of rated output current±1count
Voltage setting accuracy	--	0.05% of rated output voltage
Current setting accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% 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 APPLICABILITY		
Operating temperature	℃	S：Civil grade（0℃～+50℃）；G：Industrial grade（-25℃～+55℃）
Storage temperature	℃	S：Civil grade（-20℃～+70℃）；G：Industrial grade（-30℃～+85℃）
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	W: 215, H: 43.5, D: 446 (Without busbars and busbars cover)
Weight	Kg	About 3Kg

DM 600W series technical indicators (300V-2000V)

OUTPUT RATING		300-2	400-1.5	500-1.2	600-1	1000-0.6	1200-0.5	1500-0.5	2000-0.3
Voltage adjustable range (*1)	V	0～315	0～420	0～525	0～630	0～1050	0～1260	0～1575	0～2100
Current adjustable range (*2)	A	0～2.1	0～1.5	0～1.3	0～1.1	0～0.66	0～0.55	0～0.55	0～0.33
Rated power (OPP=105% of rated value)	W	600	600	600	600	600	600	750	600

INPUT CHARACTERISTICS		300-2	400-1.5	500-1.2	600-1	1000-0.6	1200-0.5	1500-0.5	2000-0.3
Input voltage/frequency	--	A：Single phase 85Vac~265Vac / 47~63Hz							
Power Factor (Typ)	--	0.99@100Vac 0.98@200Vac，rated output power.							
Efficiency at 100Vac/200Vac, rated output	%	87/89	87/89	87/89	87/89	87/89	87/89	87/89	87/89

CONSTANT VOLTAGE MODE		300-2	400-1.5	500-1.2	600-1	1000-0.6	1200-0.5	1500-0.5	2000-0.3
Max. Line regulation (*3)	--	0.01% of rated output voltage							
Max. Load regulation (*4)	--	0.01% of rated output voltage+5mV							
Ripple and noise (p-p, 20MHz)	mV	150	250	450	500	650	700	1000	1500
Ripple r.m.s. 5Hz~1MHz	mV	30	50	90	100	150	170	200	300
Temperature coefficient	--	50PPM/°C from rated output voltage, following 30 minutes warm-up.							
Temperature stability	--	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 compensation (*5)	V	5	5	5	5	--	--	--	--
Rise response time (*6)	mS	100	100	100	100	100	150	150	150
Fall response time (*7) Full load	mS	220	220	200	200	200	220	220	250
Fall response time (*7) No load	mS	4600	4600	5000	5500	5500	6500	7000	8000
Transient response time	mS	≤2mS (Time for output voltage to recover within 0.5% of its rated output for a load change 10~90% of rated output current.)							
Start up delay	≤	6S (Turn on the power switch, the time when the power starts and enters standby mode)							

CONSTANT CURRENT MODE		300-2	400-1.5	500-1.2	600-1	1000-0.6	1200-0.5	1500-0.5	2000-0.3
Max. Line regulation (*3)	--	0.02% of rated output current. +2mA							
Max. Line regulation	--	0.02% of rated output current. +5mA							
Ripple r.m.s. 5Hz~1MHz	mA	≤10	≤10	≤10	≤10	≤5	≤5	≤5	≤5
Temperature coefficient	--	70PPM/°C from rated output current, following 30 minutes warm-up.							
Temperature stability	--	0.01% of rated Iout over 8hrs. interval following 30 minutes warm-up. Constant line, load & temperature.							
Warm-up drift	--	Less than ±0.15% of rated output current over 30 minutes following power on.							

ANALOG PROGRAMMING AND MONITORING (ISOLATED FROM THE OUTPUT) (Optional)		
Vout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.15% of rated Vout.
Iout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.4% of rated Iout.
Vout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Vout.
Iout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout.
Output voltage monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout.
Output current monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout.
Remote switch on/off	--	High and low level or dry contact signal control power switch

FUNCTIONS AND FEATURES		
Series/parallel operation	--	Support series/parallel operation of the same specification and model to expand voltage, current and power; Parallel connection is used for automatic current sharing in master-slave operation mode.
Constant power control	--	The power within the rated power range can be set to achieve constant power mode
Output resistance control	--	Emulates series resistance. Resistance range: 1~1000mΩ.
Voltage and current slope control	--	Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS
LIST dynamic output	--	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 minutes can be set
Quick data storage/recall	--	It can store 4 groups of commonly used working data of voltage, current and other parameters, and can be quickly accessed through the digital buttons on the panel
Protection function	--	Output overvoltage protection, overcurrent protection, overload protection, over-temperature protection, short circuit protection, input undervoltage protection, overvoltage protection

DIGITAL PROGRAM CONTROL		300-2	400-1.5	500-1.2	600-1	1000-0.6	1200-0.5	1500-0.5	2000-0.3
Vout programming accuracy	--	0.05% of rated output voltage							
Iout programming accuracy	--	0.5% of rated output current							
Vout programming resolution	--	0.002% of rated output voltage							
Iout programming resolution	--	0.002% of rated output current							
Vout readback accuracy	--	0.05% of rated output voltage							
Iout readback accuracy	--	0.5% of rated output current							
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%
Iout readback resolution (of rated output current))	F.S.	0.006%	0.005%	0.010%	0.011%	0.020%	0.025%	0.025%	0.040%
Communication interface	--	Built-in USB interface, optional CAN＆RS-232&RS-485, I/O analog, LAN, RS-422; Supports Modbus-RTU and SCPI industry standard communication protocols							

FRONT PANEL MONITORING AND CONTROL		
Operation mode	--	Programmer knob,digital key and multi-function key
Display	--	5 digits OLED screen displays output voltage, current, power, working status and other information; Support Chinese and English menu switching display.
Voltage display accuracy	--	0.05% of rated output voltage±1count.
Current display accuracy		0.5% of rated output current±1count.
Voltage setting accuracy	--	0.05% of rated output voltage
Current setting accuracy	--	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;0.1mA

ENVIRONMENT APPLICABILITY		
Operating temperature	℃	S：Civil grade（0℃～+50℃）；G：Industrial grade（-25℃～+55℃）
Storage temperature	℃	S：Civil grade（-20℃～+70℃）；G：Industrial grade（-30℃～+85℃）
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	W: 215, H: 43.5, D: 446(Without busbars and busbars cover),
Weight	Kg	About 3Kg

DM1000W 系列技术指标（10V-200V）

OUTPUT RATING		10-100	20-50	30-35	40-25	50-20	60-17	80-13	100-10	150-7	200-5
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）	A	0～105	0～53	0～37	0～27	0～21	0～18	0～14	0～11	0～7.5	0～5.5
Rated power (OPP=105% of rated value)	W	1000	1000	1050	1000	1000	1020	1040	1000	1050	1000

INPUT CHARACTERISTICS		10-100	20-50	30-35	40-25	50-20	60-17	80-13	100-10	150-7	200-5
Input voltage/frequency	--	85Vac~265Vac / 47~63Hz									
Power Factor (Typ)	--	0.99@100Vac 0.98@200Vac，rated output power.									
Efficiency at 100Vac/200Vac, rated output	%	85/87	86/88	86/88	86/88	86/88	86/88	86/88	87/89	87/89	87/89

CONSTANT VOLTAGE MODE			10-100	20-50	30-35	40-25	50-20	60-17	80-13	100-10	150-7	200-5
Max. Line regulation（*3）		--	0.01% of rated output voltage									
Max. Line regulation（*4）		--	0.01% of rated output voltage+5mV									
Ripple and noise (p-p, 20MHz)		mV	75	80	80	80	80	100	100	120	120	150
Ripple r.m.s. 5Hz~1MHz		mV	10	12	12	12	12	20	20	20	20	30
Temperature coefficient		--	50PPM/°C from rated output voltage, following 30 minutes warm-up.									
Temperature stability		--	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 compensation（*5）		V	2	2	5	5	5	5	5	5	5	5
Rise response time（*6）		mS	20	20	20	20	20	20	20	25	50	50
Fall response time（*7）	Full load	mS	30	30	60	60	60	60	60	60	120	120
	No load	mS	600	1000	1500	2000	2500	2700	3000	3600	3900	4500
Transient response time		mS	≤2mS（Time for output voltage to recover within 0.5% of its rated output for a load change 10~90% of rated output current.）									
Start up delay		≤	6S（Turn on the power switch, the time when the power starts and enters standby mode）									

CONSTANT CURRENT MODE		10-100	20-50	30-35	40-25	50-20	60-17	80-13	100-10	150-7	200-5
Max. Line regulation (*3)	--	0.05% of rated output current.									
Max. Line regulation	--	Models above 8A: 0.08% of rated output current; Models within 8A: 0.02% of rated output current+5mA									
Ripple r.m.s. 5Hz~1MHz	mA	≤300	≤100	≤60	≤50	≤35	≤20	≤15	≤15	≤10	≤10
Temperature coefficient	--	70PPM/°C from rated output current, following 30 minutes warm-up.									
Temperature stability	--	0.01% of rated Iout over 8hrs. interval following 30 minutes warm-up. Constant line, load & temperature.									
Warm-up drift	--	Less than ±0.15% of rated output current over 30 minutes following power on.									

ANALOG PROGRAMMING AND MONITORING (ISOLATED FROM THE OUTPUT) (Optional)		
Vout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.15% of rated Vout.
Iout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.4% of rated Iout.
Vout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Vout.
Iout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout.
Output voltage monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout.
Output current monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout.
Remote switch on/off	--	High and low level or dry contact signal control power switch

FUNCTIONS AND FEATURES		
Series/parallel operation	--	Support series/parallel operation of the same specification and model to expand voltage, current and power; Parallel connection is used for automatic current sharing in master-slave operation mode.
Constant power control	--	The power within the rated power range can be set to achieve constant power mode
Output resistance control	--	Emulates series resistance. Resistance range: 1~1000mΩ.
Voltage and current slope control	--	Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS
LIST dynamic output	--	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 minutes can be set
Quick data storage/recall	--	It can store 4 groups of commonly used working data of voltage, current and other parameters, and can be quickly accessed through the digital buttons on the panel
Protection function	--	Output overvoltage protection, overcurrent protection, overload protection, over-temperature protection, short circuit protection, input undervoltage protection, overvoltage protection

DIGITAL PROGRAM CONTROL		10-100	20-50	30-35	40-25	50-20	60-17	80-13	100-10	150-7	200-5
Vout programming accuracy	--	0.05% of rated output voltage									
Iout programming accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% of rated output current									
Vout programming resolution	--	0.002% of rated output voltage									
Iout programming resolution	--	0.002% of rated output current									
Vout readback accuracy	--	0.05% of rated output voltage									
Iout readback accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% 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.	0.011%	0.003%	0.003%	0.005%	0.006%	0.007%	0.010%	0.011%	0.002%	0.002%
Communication interface	--	Built-in USB interface, optional CAN＆RS-232&RS-485, I/O analog, LAN, RS-422; Supports Modbus-RTU and SCPI industry standard communication protocols									

FRONT PANEL MONITORING AND CONTROL		
Operation mode	--	Programmer knob,digital key and multi-function key
Display	--	5 digits OLED screen displays output voltage, current, power, working status and other information; Support Chinese and English menu switching display.
Voltage display accuracy	--	0.05% of rated output voltage±1count.
Current display accuracy		Models within 10A：0.2% of rated output currente±1count；Models above 10A：0.1% of rated output currente±1count.
Voltage setting accuracy	--	0.05% of rated output voltage
Current setting accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% 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 APPLICABILITY		
Operating temperature	℃	S：Civil grade（0℃～+50℃）；G：Industrial grade（-25℃～+55℃）
Storage temperature	℃	S：Civil grade（-20℃～+70℃）；G：Industrial grade（-30℃～+85℃）
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	W: 215, H: 43.5, D: 446(Without busbars and busbars cover),
Weight	Kg	About 3Kg

DM 1000W 系列技术指标（300V-2000V）

OUTPUT RATING		300-3.5	400-2.5	500-2	600-1.7	1000-1	1200-1	1500-0.7	2000-0.5
Voltage adjustable range（*1）	V	0～315	0～420	0～525	0～630	0～1050	0～1260	0～1575	0～2100
Current adjustable range（*2）	A	0～3.8	0～2.7	0～2.1	0～1.8	0～1.1	0～1.1	0～0.8	0～0.55
Rated power (OPP=105% of rated value)	W	1050	1000	1000	1020	1000	1200	1050	1000

INPUT CHARACTERISTICS		300-3.5	400-2.5	500-2	600-1.7	1000-1	1200-1	1500-0.7	2000-0.5
Input voltage/frequency	--	A：Single phase 85~265Vac							
Power Factor (Typ)	--	0.99@100Vac 0.98@200Vac，rated output power.							
Efficiency at 100Vac/200Vac, rated output	%	87/89	87/89	87/89	87/89	88/90	88/90	88/90	88/90

CONSTANT VOLTAGE MODE		300-3.5	400-2.5	500-2	600-1.7	1000-1	1200-1	1500-0.7	2000-0.5
Max. Line regulation（*3）	--	0.01% of rated output voltage							
Max. Load regulation（*4）	--	0.01% of rated output voltage+5mV							
Ripple and noise (p-p, 20MHz)	mV	150	250	450	500	650	700	1000	1500
Ripple r.m.s. 5Hz~1MHz	mV	30	50	90	100	150	170	200	300
Temperature coefficient	--	50PPM/°C from rated output voltage, following 30 minutes warm-up.							
Temperature stability	--	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 compensation（*5）	V	5	5	5	5	--	--	--	--
Rise response time（*6）	mS	100	100	100	100	100	150	150	150
Fall response time（*7） Full load	mS	220	220	200	200	200	220	220	250
Fall response time（*7） No load	mS	4600	4600	5000	5500	5500	6500	7000	8000
Transient response time	mS	≤2mS（Time for output voltage to recover within 0.5% of its rated output for a load change 10~90% of rated output current.）							
Start up delay	≤	6S（Turn on the power switch, the time when the power starts and enters standby mode）							

CONSTANT CURRENT MODE		300-3.5	400-2.5	500-2	600-1.7	1000-1	1200-1	1500-0.7	2000-0.5
Max. Line regulation（*3）	--	0.02% of rated output current. +2mA							
Max. Line regulation	--	0.02% of rated output current. +5mA							
Ripple r.m.s. 5Hz~1MHz	mA	≤10	≤10	≤10	≤10	≤5	≤5	≤5	≤5
Temperature coefficient	--	70PPM/°C from rated output current, following 30 minutes warm-up.							
Temperature stability	--	0.01% of rated Iout over 8hrs. interval following 30 minutes warm-up. Constant line, load & temperature.							
Warm-up drift	--	Less than ±0.15% of rated output current over 30 minutes following power on.							

ANALOG PROGRAMMING AND MONITORING (ISOLATED FROM THE OUTPUT) （Optional）		
Vout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.15% of rated Vout.
Iout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.4% of rated Iout.
Vout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Vout.
Iout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout.
Output voltage monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout.
Output current monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout.
Remote switch on/off	--	High and low level or dry contact signal control power switch

FUNCTIONS AND FEATURES		
Series/parallel operation	--	Support series/parallel operation of the same specification and model to expand voltage, current and power; Parallel connection is used for automatic current sharing in master-slave operation mode.
Constant power control	--	The power within the rated power range can be set to achieve constant power mode
Output resistance control	--	Emulates series resistance. Resistance range: 1~1000mΩ.
Voltage and current slope control	--	Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS
LIST dynamic output	--	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 minutes can be set
Quick data storage/recall	--	It can store 4 groups of commonly used working data of voltage, current and other parameters, and can be quickly accessed through the digital buttons on the panel
Protection function	--	Output overvoltage protection, overcurrent protection, overload protection, over-temperature protection, short circuit protection, input undervoltage protection, overvoltage protection

DIGITAL PROGRAM CONTROL		300-3.5	400-2.5	500-2	600-1.7	1000-1	1200-1	1500-0.7	2000-0.5
Vout programming accuracy	--	0.05% of rated output voltage							
Iout programming accuracy	--	0.5% of rated output curren							
Vout programming resolution	--	0.002% of rated output voltage							
Iout programming resolution	--	0.002% of rated output current							
Vout readback accuracy	--	0.05% of rated output voltage							
Iout readback accuracy	--	0.5% of rated output current							
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%
Iout readback resolution (of rated output current))	F.S.	0.004%	0.005%	0.006%	0.009%	0.011%	0.011%	0.020%	0.025%
Communication interface	--	Built-in USB interface, optional CAN＆RS-232&RS-485, I/O analog, LAN, RS-422; Supports Modbus-RTU and SCPI industry standard communication protocols							

FRONT PANEL MONITORING AND CONTROL		
Operation mode	--	Programmer knob,digital key and multi-function key
Display	--	5 digits OLED screen displays output voltage, current, power, working status and other information; Support Chinese and English menu switching display.
Voltage display accuracy	--	0.05% of rated output voltage±1count.
Current display accuracy		0.5% of rated output current±1count
Voltage setting accuracy	--	0.05% of rated output voltage
Current setting accuracy	--	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 (0.1mA@Models within 3A)

ENVIRONMENT APPLICABILITY		
Operating temperature	℃	S：Civil grade（0℃～+50℃）；G：Industrial grade（-25℃～+55℃）
Storage temperature	℃	S：Civil grade（-20℃～+70℃）；G：Industrial grade（-30℃～+85℃）
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	W: 215, H: 43.5, D: 446(Without busbars and busbars cover),
Weight	Kg	About 3Kg

DM 1700W 系列技术指标（10V-200V）

OUTPUT RATING		10-170	20-85	30-56	40-42	50-34	60-28	80-21	100-17	150-11.2	200-8.5
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）	A	0～180(*8)	0～90	0～60	0～44	0～36	0～30	0～22	0～18	0～12	0～9
Rated power (OPP=105% of rated value)	W	1700	1700	1680	1680	1700	1680	1680	1700	1680	1700

INPUT CHARACTERISTICS		10-170	20-85	30-56	40-42	50-34	60-28	80-21	100-17	150-11.2	200-8.5
Input voltage/frequency	--	85Vac~265Vac / 47~63Hz (The output power needs to be derated when the input voltage is lower than 170V)									
Power Factor (Typ)	--	0.99@100Vac 0.98@200Vac， rated output power.									
Efficiency at 100Vac/200Vac, rated output	%	86/88	87/89	87/89	87/89	87/89	87/89	87/89	88/90	88/90	88/90

CONSTANT VOLTAGE MODE			10-170	20-85	30-56	40-42	50-34	60-28	80-21	100-17	150-11.2	200-8.5
Max. Line regulation（*3）		--	0.01% of rated output voltage									
Max. Line regulation（*4）		--	0.01% 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 coefficient		--	50PPM/°C from rated output voltage, following 30 minutes warm-up.									
Temperature stability		--	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 compensation（*5）		V	2	2	5	5	5	5	5	5	5	5
Rise response time（*6）		mS	20	20	20	20	20	20	20	25	50	50
Fall response time（*7）	Full load	mS	30	30	60	60	60	60	60	60	120	120
	No load	mS	600	1000	1500	2000	2500	2700	3000	3600	3900	4500
Transient response time		mS	≤2mS（Time for output voltage to recover within 0.5% of its rated output for a load change 10~90% of rated output current.）									
Start up delay		≤	6S（Turn on the power switch, the time when the power starts and enters standby mode）									

CONSTANT CURRENT MODE		10-170	20-85	30-56	40-42	50-34	60-28	80-21	100-17	150-11.2	200-8.5
Max. Line regulation (*3)	--	0.05% of rated output current									
Max. Line regulation	--	0.08% of rated output current									
Ripple r.m.s. 5Hz~1MHz	mA	≤350	≤160	≤80	≤60	≤55	≤50	≤30	≤20	≤10	≤10
Temperature coefficient	--	10V~100V model: 100PPM/°C from rated output current, following 30 minutes warm-up. 150V~200V model : 70PPM/°C from rated output current, following 30 minutes warm-up.									
Temperature stability	--	0.01% of rated Iout over 8hrs. interval following 30 minutes warm-up. Constant line, load & temperature.									
Warm-up drift	--	10V~100V model: Less than ±0.25% of rated output current over 30 minutes following power on. 150V~200V model: Less than ±0.15% of rated output current over 30 minutes following power on.									

ANALOG PROGRAMMING AND MONITORING (ISOLATED FROM THE OUTPUT) (Optional)		
Vout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.15% of rated Vout.
Iout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.4% of rated Iout.
Vout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Vout.
Iout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout.
Output voltage monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout.
Output current monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout.
Remote switch on/off	--	High and low level or dry contact signal control power switch

FUNCTIONS AND FEATURES		
Series/parallel operation	--	Support series/parallel operation of the same specification and model to expand voltage, current and power; Parallel connection is used for automatic current sharing in master-slave operation mode.
Constant power control	--	The power within the rated power range can be set to achieve constant power mode
Output resistance control	--	Emulates series resistance. Resistance range: 1~1000mΩ.
Voltage and current slope control	--	Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS
LIST dynamic output	--	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 minutes can be set
Quick data storage/recall	--	It can store 4 groups of commonly used working data of voltage, current and other parameters, and can be quickly accessed through the digital buttons on the panel
Protection function	--	Output overvoltage protection, overcurrent protection, overload protection, over-temperature protection, short circuit protection, input undervoltage protection, overvoltage protection

DIGITAL PROGRAM CONTROL		10-170	20-85	30-56	40-42	50-34	60-28	80-21	100-17	150-11.2	200-8.5
Vout programming accuracy	--	0.05% of rated output voltage									
Iout programming accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% of rated output current									
Vout programming resolution	--	0.002% of rated output voltage									
Iout programming resolution	--	0.002% of rated output current									
Vout readback accuracy	--	0.05% of rated output voltage									
Iout readback accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% 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.	0.007%	0.002%	0.003%	0.003%	0.004%	0.004%	0.006%	0.007%	0.010%	0.015%
Communication interface	--	Built-in USB interface, optional CAN＆RS-232&RS-485, I/O analog, LAN, RS-422; Supports Modbus-RTU and SCPI industry standard communication protocols									

FRONT PANEL MONITORING AND CONTROL		
Operation mode	--	Programmer knob,digital key and multi-function key
Display	--	5 digits OLED screen displays output voltage, current, power, working status and other information; Support Chinese and English menu switching display.
Voltage display accuracy	--	0.05% of rated output voltage±1count.
Current display accuracy		Models within 10A：0.2% of rated output current±1count；Models above 10A：0.1% of rated output current±1count
Voltage setting accuracy	--	0.05% of rated output voltage
Current setting accuracy	--	Models within 10A：0.2% of rated output current；Models above 10A：0.1% 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 APPLICABILITY		
Operating temperature	℃	S：Civil grade（0℃～+50℃）；G：Industrial grade（-25℃～+55℃）
Storage temperature	℃	S：Civil grade（-20℃～+70℃）；G：Industrial grade（-30℃～+85℃）
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	W: 215, H: 43.5, D: 446(Without busbars and busbars cover),
Weight	Kg	About 3Kg

DP 1700W 系列技术指标（300V-2000V ）

OUTPUT RATING		300-5.6	400-4.2	500-3.4	600-2.8	1000-1.7	1200-1.4	1500-1.1	2000-0.85
Voltage adjustable range（*1）	V	0～315	0～420	0～525	0～630	0～1050	0～1260	0～1575	0～2100
Current adjustable range（*2）	A	0～6	0～4.5	0～3.6	0～3	0～1.8	0～1.5	0～1.2	0～0.9
Rated power (OPP=105% of rated value)	W	1680	1680	1700	1680	1700	1680	1650	1700

INPUT CHARACTERISTICS		300-5.6	400-4.2	500-3.4	600-2.8	1000-1.7	1200-1.4	1500-1.1	2000-0.85
Input voltage/frequency	--	85Vac~265Vac / 47~63Hz (The output power needs to be derated when the input voltage is lower than 170V)							
Power Factor (Typ)	--	0.99@100Vac 0.98@200Vac，rated output power.							
Efficiency at 100Vac/200Vac, rated output	%	88/90	88/90	88/90	88/90	89/91	89/91	89/91	89/91

CONSTANT VOLTAGE MODE		300-5.6	400-4.2	500-3.4	600-2.8	1000-1.7	1200-1.4	1500-1.1	2000-0.85
Max. Line regulation（*3）	--	0.01% of rated output voltage							
Max. Line regulation（*4）	--	0.01% of rated output voltage+5mV							
Ripple and noise (p-p, 20MHz)	mV	150	250	450	500	600	700	850	1000
Ripple r.m.s. 5Hz~1MHz	mV	30	50	90	100	150	170	200	300
Temperature coefficient	--	50PPM/°C from rated output voltage, following 30 minutes warm-up.							
Temperature stability	--	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 compensation（*5）	V	5	5	5	5	--	--	--	--
Rise response time（*6）	mS	100	100	100	100	100	150	150	150
Fall response time（*7） Full load	mS	220	220	200	200	200	220	220	250
Fall response time（*7） No load	mS	4600	4600	5000	5500	5500	6500	7000	8000
Transient response time	mS	≤2mS（Time for output voltage to recover within 0.5% of its rated output for a load change 10~90% of rated output current.）							
Start up delay	≤	6S（Turn on the power switch, the time when the power starts and enters standby mode）							

CONSTANT CURRENT MODE		300-5.6	400-4.2	500-3.4	600-2.8	1000-1.7	1200-1.4	1500-1.1	2000-0.85
Max. Line regulation（*3）	--	0.02% of rated output current. +2mA							
Max. Line regulation	--	0.02% of rated output current. +5mA							
Ripple r.m.s. 5Hz~1MHz	mA	≤10	≤10	≤10	≤10	≤5	≤5	≤5	≤5
Temperature coefficient	--	70PPM/°C from rated output current, following 30 minutes warm-up.							
Temperature stability	--	0.01% of rated Iout over 8hrs. interval following 30 minutes warm-up. Constant line, load & temperature.							
Warm-up drift	--	Less than ±0.15% of rated output current over 30 minutes following power on.							

ANALOG PROGRAMMING AND MONITORING (ISOLATED FROM THE OUTPUT) （Optional）		
Vout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.15% of rated Vout.
Iout voltage programming	--	0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: ±0.4% of rated Iout.
Vout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Vout.
Iout resistor programming	--	0~100%, 0~5/10Kohm full scale, user selectable. Accuracy and linearity: ±0.5% of rated Iout.
Output voltage monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Vout.
Output current monitor	--	0~5V or 0~10V, user selectable. Accuracy: ±0.5% of rated Iout.
Remote switch on/off	--	High and low level or dry contact signal control power switch

FUNCTIONS AND FEATURES		
Series/parallel operation	--	Support series/parallel operation of the same specification and model to expand voltage, current and power; Parallel connection is used for automatic current sharing in master-slave operation mode.
Constant power control	--	The power within the rated power range can be set to achieve constant power mode
Output resistance control	--	Emulates series resistance. Resistance range: 1~1000mΩ.
Voltage and current slope control	--	Programmable output rise and fall slopes. Programming range: 0.0001~999.9V/mS or A/mS
LIST dynamic output	--	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 minutes can be set
Quick data storage/recall	--	It can store 4 groups of commonly used working data of voltage, current and other parameters, and can be quickly accessed through the digital buttons on the panel
Protection function	--	Output overvoltage protection, overcurrent protection, overload protection, over-temperature protection, short circuit protection, input undervoltage protection, overvoltage protection

DIGITAL PROGRAM CONTROL		300-5.6	400-4.2	500-3.4	600-2.8	1000-1.7	1200-1.4	1500-1.1	2000-0.85
Vout programming accuracy	--	0.05% of rated output voltage							
Iout programming accuracy	--	0.2% of rated output current; (Models within 3A: 0.5% of rated output current)							
Vout programming resolution	--	0.002% of rated output voltage							
Iout programming resolution	--	0.002% of rated output current							
Vout readback accuracy	--	0.05% of rated output voltage							
Iout readback accuracy	--	0.2% of rated output current; (Models within 3A: 0.5% of rated output current)							
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%
Iout readback resolution (of rated output current))	F.S.	0.003%	0.003%	0.004%	0.005%	0.007%	0.010%	0.010%	0.015%
Communication interface	--	Built-in USB interface, optional CAN＆RS-232&RS-485, I/O analog, LAN, RS-422; Supports Modbus-RTU and SCPI industry standard communication protocols							

FRONT PANEL MONITORING AND CONTROL		
Operation mode	--	Programmer knob,digital key and multi-function key
Display	--	5 digits OLED screen displays output voltage, current, power, working status and other information; Support Chinese and English menu switching display.
Voltage display accuracy	--	0.05% of rated output voltage±1count.
Current display accuracy		0.2% of rated output current±1count. (Models within 3A: 0.5% of rated output current±1count)
Voltage setting accuracy	--	0.05% of rated output voltage
Current setting accuracy	--	0.2% of rated output current；(Models within 3A: 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 (0.1mA@Models within 3A)

ENVIRONMENT APPLICABILITY		
Operating temperature	℃	S：Civil grade（0℃～+50℃）；G：Industrial grade（-25℃～+55℃）
Storage temperature	℃	S：Civil grade（-20℃～+70℃）；G：Industrial grade（-30℃～+85℃）
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	W: 215, H: 43.5, D: 446(Without busbars and busbars cover),
Weight	Kg	About 3Kg

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.

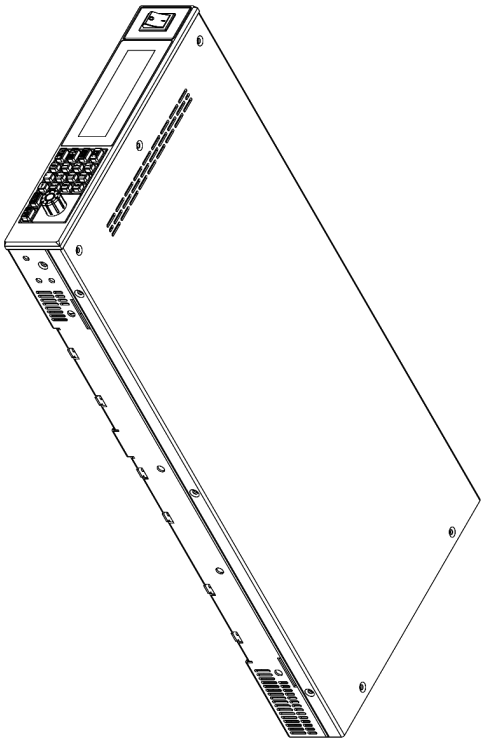
*5：The maximum voltage on the power supply terminals must not exceed the maximum voltage.

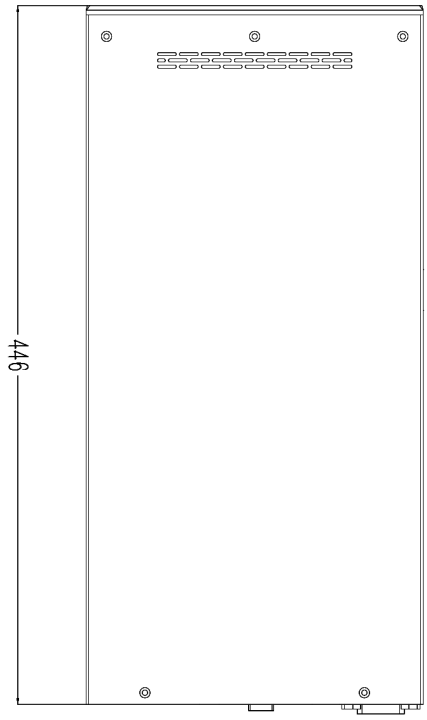
*6：From 10% to 90% or 90% to 10% of Rated Output Voltage, with rated, resistive load.

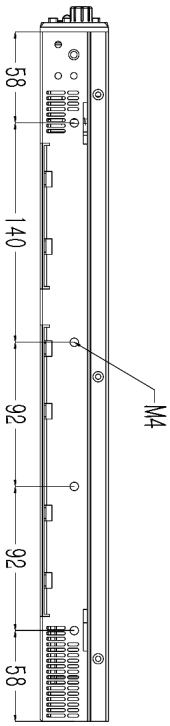
*7：From 90% to 10% of Rated Output Voltage.

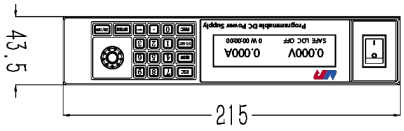
*8：Derate 5A/1°C when ambient temperature above 40°C

Dimensional drawing

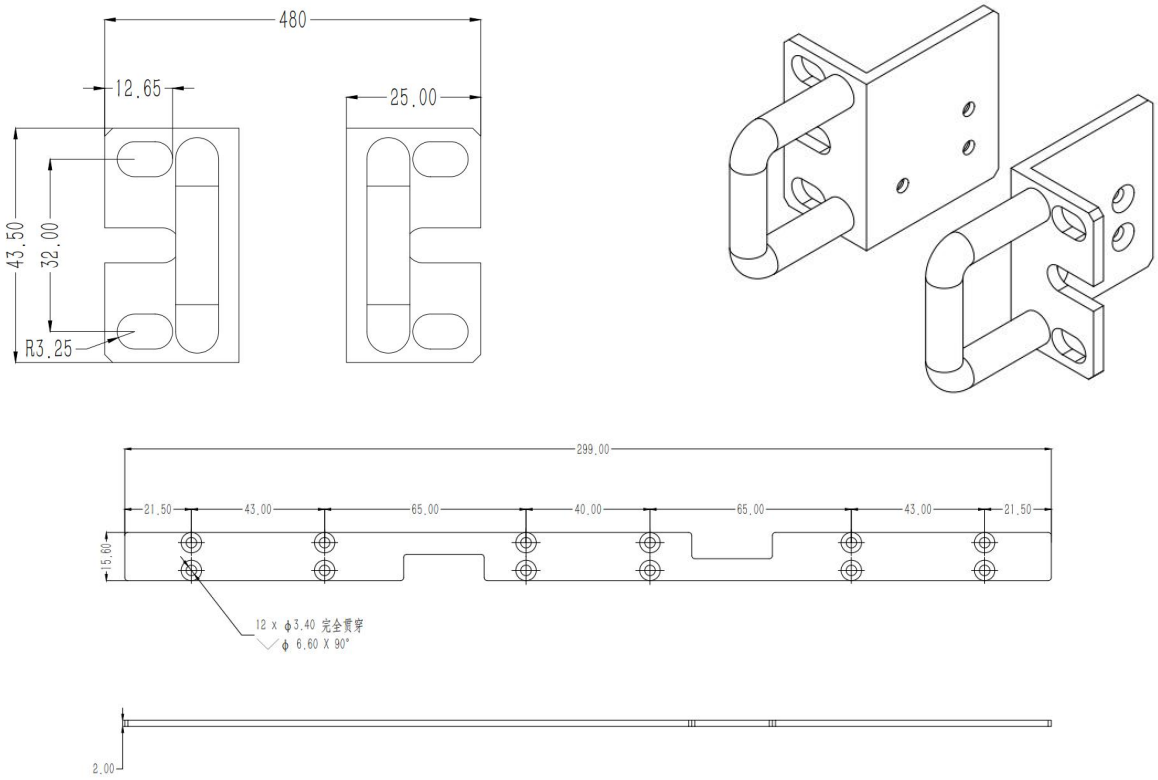




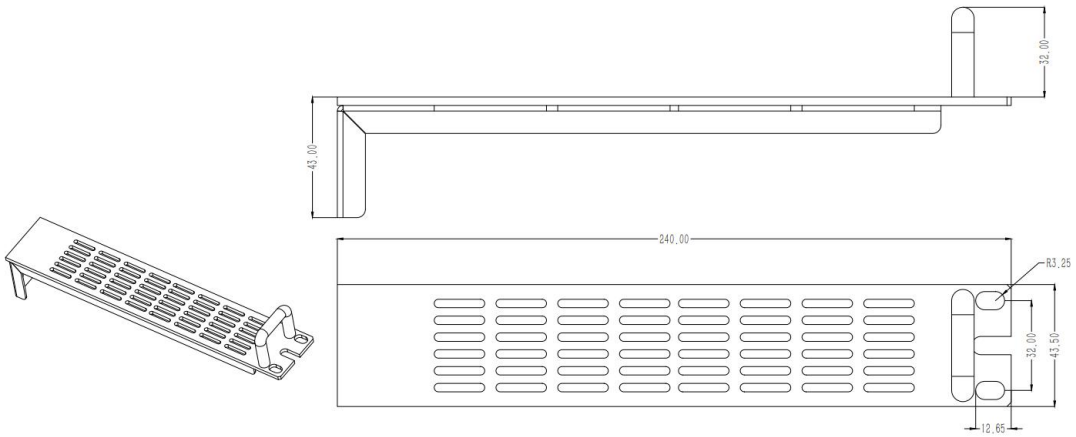




Installation dimension drawing

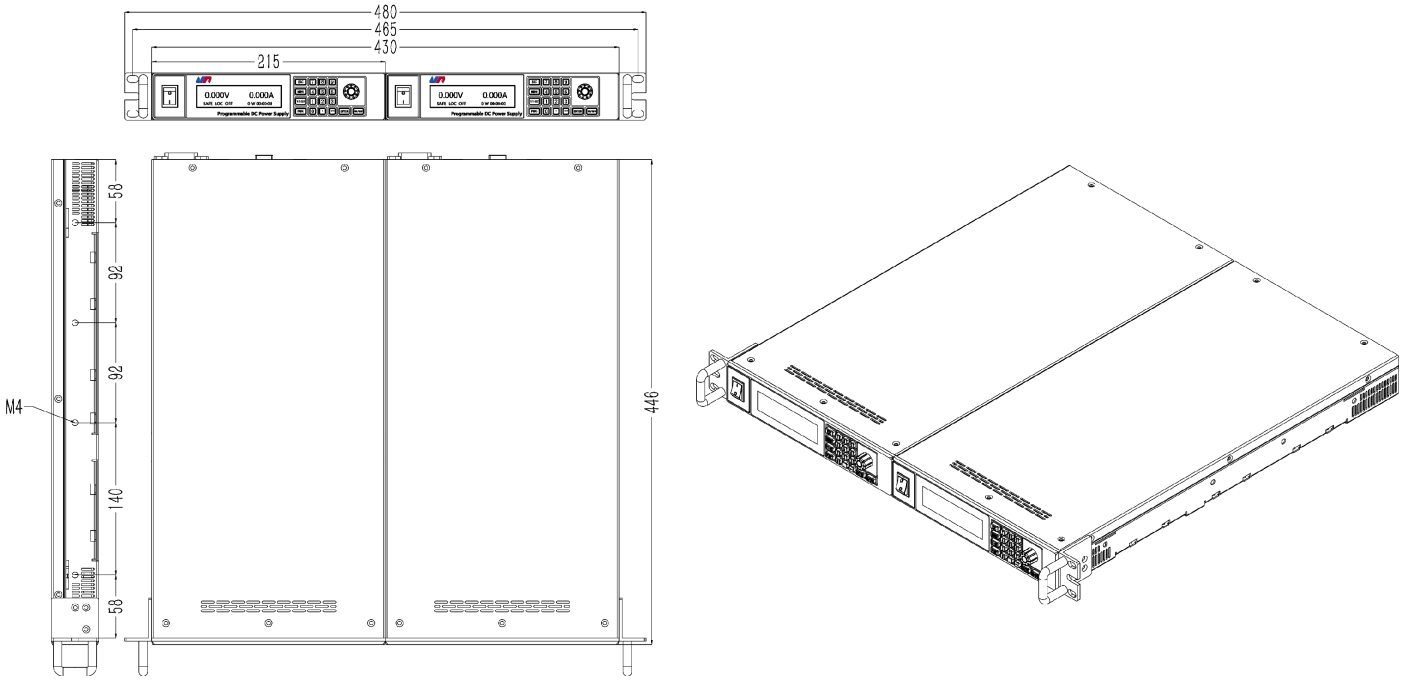


Two DM models installed in 19 " standard cabinet installation accessories (optional)

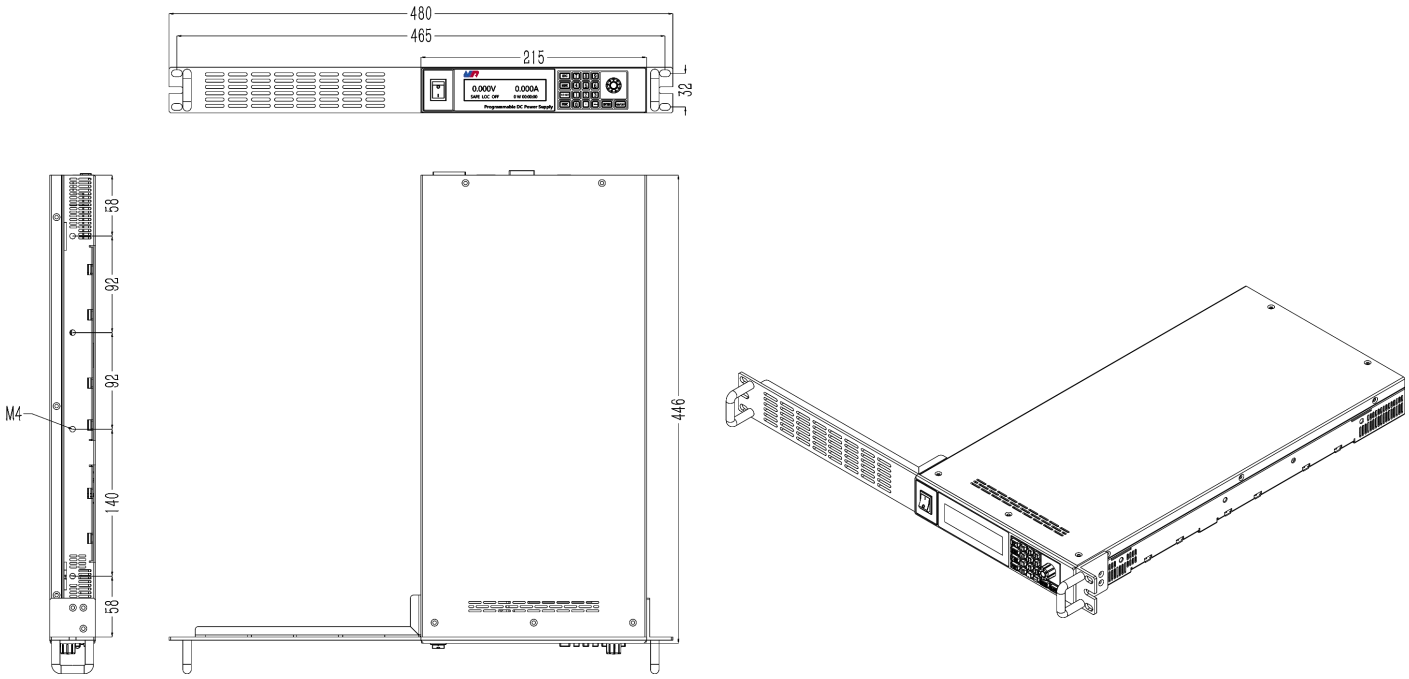


One DM models installed in 19 " standard cabinet installation accessories (optional)

Installation dimension drawing



Installation dimension drawing of two DM models installed in 19 " standard cabine



Installation dimension drawing of one DM models installed in 19 " standard cabine

CREATED IN CHINA 中国创造 2025

MADE IN CHINA 中国制造 2025

ASTPOWER

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