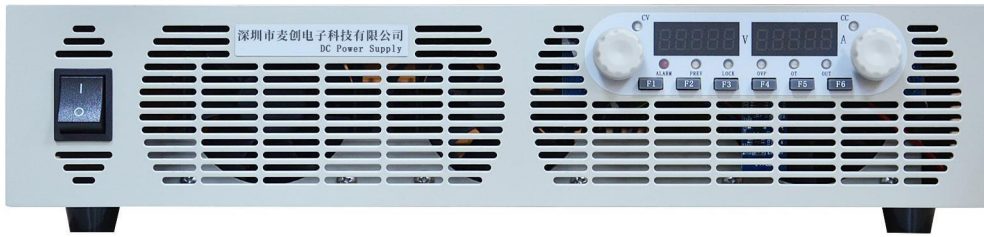


MPS-3200 SERIES DC POWER SUPPLY



Product introduction

The MPS-3200 series DC power supply is a high-performance and economical DC power supply independently developed by MATRIX TECHLONOLY INC. It has the characteristics of simple operation, high stability, high power density, high cost performance, etc; It has excellent electrical characteristics. It is suitable for desktop operating environment, rack integrated application, aging production line, solar inverter test, system integration test, vehicle equipment test, motor life cycle test and other fields. It is an ideal choice for places where DC power supply needs to be stabilized for a long time. In terms of reliability, maintainability, security, etc., it is comprehensively ahead of similar products and continues to develop.

Application field

- Life cycle test of electronic products
- ATE system integration
- Automobile electronic aging
- Power semiconductor aging
- Electric machinery, motor
- Production line testing and other related fields

Product features

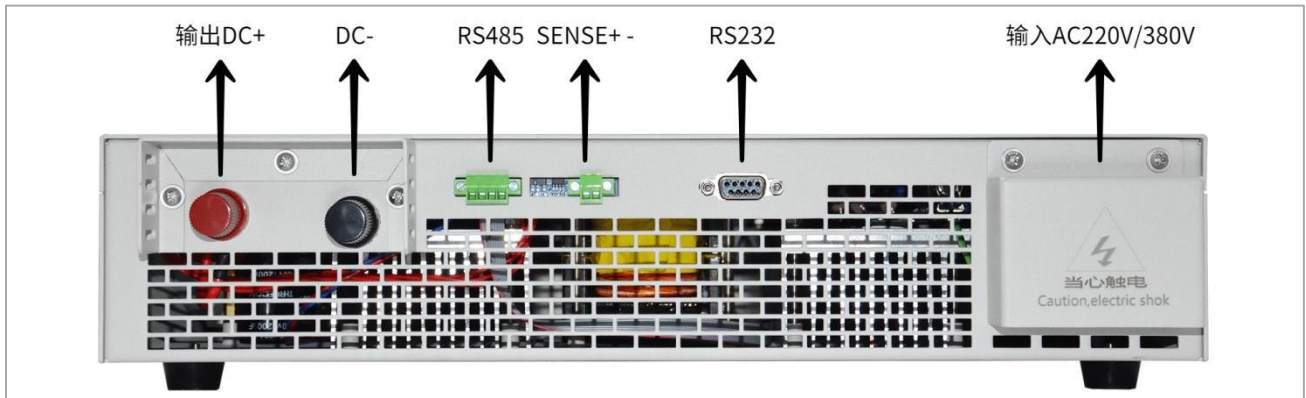
- Specification: wide range output voltage 0-2000V, current 0-5000A optional;
- PWM modulation and high gain amplifier circuit design are adopted. Imported components are used as core components to ensure stable and reliable long-term full load operation;
- Small size, light weight, 19" installation size, suitable for worktable use and rack installation (rack can be mounted within 30KW);
- Voltage and current preset: the panel is equipped

with preset keys to preset the voltage and current values;

- Complete protection function: output overvoltage, overcurrent, over temperature shutdown output protection, short circuit protection, etc. can be set;
- Intelligent: it can be connected with PC to form a PC monitoring intelligent power supply;
- Communication interface: standard RS485, RS232 digital communication interface, 0-10V/4-20mA analog signal interface, MOUDBUS-RTU standard communication protocol;

- Voltage sampling: (This function can be added when the power supply voltage is within 600V);
- Special customization: provide special specifications, dimensions and parameters for power supply design customization (state in advance before ordering).

Rear Panel



Technical spec.

Item	Spec.
AC input	single phase AC220V±10% , 50Hz/60Hz , ≤5KW series
	Three phase AC380V±10% , 50Hz/60Hz , ≥5KW series
DC output	Output voltage 0V - rated value Refer to the selection specification table
	Output current 0A -rated value Refer to the selection specification table
Power supply voltage stabilization accuracy	≤ 0.3% + 20mV
Current stabilization accuracy	≤ 0.5% + 20mA
Power source effect	≤ 0.3% (10%-90% Load calculation)
Power load effect	≤ 0.5% (10%-90% Load calculation)
Ripple wave	≤ 0.3% + 10mV Voltage stabilization state (Valid values)
Display	4-digit semi digital meter (LED nixie tube display)
Display resolution	Voltmeter 0.1V Ammeter 0.1A (different specifications of power supply may have different displays)
Protection function	Over voltage protection, over current protection, over temperature protection, short circuit protection
Communication interface	RS 232/RS 485 digital interface; 0 - 10 V/4 - 20 m A analog interface
Output polarity	Output positive pole (+) and output negative pole (-) can be grounded at will
	Default negative grounding for voltages above 800 V output (please specify special cases)
Dissipation way	PMW speed regulating fan, air cooling
Operation environment	Indoor use design, temperature 0 °C - 40 °C; Humidity 10% - 85% RH
Storage environment	Temperature: - 20 °C - 70 °C; Humidity 10% - 90% RH
Special requirements	Please state before ordering

Specification Selection Table

Spec.	Output			Spec.	Output		
	voltage	current	power		voltage	current	power
15V系列				30 V系列			
MPS-3215-40	15V	40A	0.6KW	MPS-3230 - 20	30V	20A	0.6KW
MPS-3215- 60	15V	60A	0.9KW	MPS-3230 - 30	30V	30A	0.9KW
MPS-3215- 80	15V	80A	1.2KW	MPS-3230 - 40	30V	40A	1.2KW
MPS-3215 - 100	15V	100 A	1.5KW	MPS-3230 - 50	30V	50A	1.5KW
MPS-3215 - 200	15V	200 A	3KW	MPS-3230 - 60	30V	60A	1.8KW
MPS-3215 - 300	15V	300 A	4.5KW	MPS-3230 - 80	30V	80A	2.4KW
MPS-3215 - 400	15V	400 A	6KW	MPS-3230- 100	30V	100A	3KW
MPS-3215 - 500	15V	500 A	7.5KW	MPS-3230- 150	30V	150A	4.5KW
MPS-3215 - 600	15V	600 A	9KW	MPS-3230- 200	30V	200A	6KW
MPS-3215 - 800	15V	800 A	12KW	MPS-3230- 250	30V	250A	7.5KW
MPS-3215- 1000	15V	1000 A	15KW	MPS-3230- 300	30V	300A	9KW
MPS-3215- 1200	15V	1200 A	18KW	MPS-3230- 400	30V	400A	12KW
MPS-3215- 1600	15V	1600 A	24KW	MPS-3230- 500	30V	500A	15KW
MPS-3215- 2000	15V	2000 A	30KW	MPS-3230- 600	30V	600A	18KW
				MPS-3230- 800	30V	800A	24KW
				MPS-3230 - 1000	30V	1000A	30KW

50 V Series				60 V Series			
MPS-3250- 12	50V	12A	0.6KW	MPS-3260 - 10	60V	10A	0.6KW
MPS-3250- 18	50V	18A	0.9KW	MPS-3260 - 15	60V	15A	0.9KW
MPS-3250- 24	50V	24A	1.2KW	MPS-3260 - 20	60V	20A	1.2KW
MPS-3250- 30	50V	30A	1.5KW	MPS-3260 - 25	60V	25A	1.5KW
MPS-3250- 40	50V	40 A	2KW	MPS-3260 - 30	60V	30A	1.8KW
MPS-3250- 50	50V	50 A	2.5 KW	MPS-3260 - 40	60V	40A	2.4KW
MPS-3250- 60	50V	60A	3KW	MPS-3260 - 50	60V	50A	3KW
MPS-3250- 80	50V	80 A	4KW	MPS-3260 - 60	60V	60A	3.6KW

MPS-3250 - 100	50V	100 A	5KW	MPS-3260 - 80	60V	80A	4.8KW
MPS-3250 - 120	50V	120 A	6KW	MPS-3260- 100	60V	100A	6KW
MPS-3250 - 150	50V	150 A	7.5KW	MPS-3260- 125	60V	125 A	7.5 KW
MPS-3250 - 200	50V	200 A	10 KW	MPS-3260- 150	60V	150A	9KW
MPS-3250 - 240	50V	240 A	12KW	MPS-3260- 200	60V	200A	12KW
MPS-3250 - 300	50V	300 A	15KW	MPS-3260- 250	60V	250A	15KW
MPS-3250 - 400	50V	400 A	20 KW	MPS-3260- 300	60V	300A	18KW
MPS-3250 - 500	50V	500A	25KW	MPS-3260- 400	60V	400A	24KW
MPS-3250 - 600	50V	600 A	30KW	MPS-3260- 500	60V	500A	30KW
MPS-3250 - 900	50V	900 A	45KW	MPS-3260- 750	60V	750A	45KW
MPS-3250- 1200	50V	1200 A	60KW	MPS-3260 - 1000	60V	1000A	60KW

80V Series				100 V Series			
MPS-3280- 7.5	80V	7.5A	0.6KW	MPS-32100- 6	100 V	6A	0.6KW
MPS-3280- 12	80V	12A	0.9KW	MPS-32100- 9	100 V	9A	0.9KW
MPS-3280- 15	80V	15A	1.2KW	MPS-32100- 15	100 V	15A	1.5 KW
MPS-3280- 25	80V	25A	2KW	MPS-32100- 20	100 V	20 A	2KW
MPS-3280- 30	80V	30A	2.4KW	MPS-32100- 30	100 V	30 A	3KW
MPS-3280- 50	80V	50 A	4KW	MPS-32100- 40	100 V	40 A	4KW
MPS-3280- 60	80V	60A	4.8KW	MPS-32100- 50	100 V	50 A	5KW
MPS-3280- 75	80V	75A	6KW	MPS-32100- 60	100 V	60A	6KW
MPS-3280- 90	80V	90 A	7.2 KW	MPS-32100- 75	100 V	75A	7.5KW
MPS-3280- 120	80V	120 A	9KW	MPS-32100 - 100	100 V	100 A	10 KW
MPS-3280- 150	80V	150 A	12KW	MPS-32100 - 120	100 V	120 A	12KW
MPS-3280- 187.5	80V	187.5 A	15KW	MPS-32100 - 150	100 V	150 A	15KW
MPS-3280- 250	80V	250 A	20 KW	MPS-32100 - 200	100 V	200 A	20 KW
MPS-3280- 300	80V	300 A	24KW	MPS-32100 - 250	100 V	250 A	25KW
MPS-3280- 375	80V	375 A	30KW	MPS-32100 - 300	100 V	300 A	30KW
MPS-3280- 562.5	80V	562.5 A	45KW	MPS-32100 - 450	100 V	450 A	45KW
MPS-3280- 750	80V	750 A	60KW	MPS-32100 - 600	100 V	600 A	60KW

MPS-3280- 900	80V	900 A	72KW	MPS-32100 - 750	100 V	750 A	75KW
MPS-3280 - 1000	80V	1000 A	80 KW	MPS-32100 - 900	100 V	900 A	90KW
				MPS-32100- 1000	100 V	1000 A	100 KW

150 V Series				200V Series			
MPS-32150 - 4	150 V	4A	0. 6KW	MPS-32200- 3	200V	3A	0. 6KW
MPS-32150 - 6	150 V	6A	0. 9KW	MPS-32200- 5	200V	5A	1KW
MPS-32150- 10	150 V	10 A	1. 5KW	MPS-32200- 6	200V	6A	1. 2KW
MPS-32150- 12	150 V	12A	1. 8KW	MPS-32200 - 10	200V	10 A	2KW
MPS-32150- 16	150 V	16A	2. 4KW	MPS-32200 - 15	200V	15 A	3KW
MPS-32150- 20	150 V	20 A	3KW	MPS-32200 - 20	200V	20 A	4KW
MPS-32150- 30	150 V	30 A	4. 5KW	MPS-32200 - 25	200V	25 A	5KW
MPS-32150- 40	150 V	40A	6KW	MPS-32200 - 30	200V	30A	6KW
MPS-32150- 50	150 V	50A	7. 5KW	MPS-32200 - 36	200V	36 A	7.2 KW
MPS-32150- 60	150 V	60A	9KW	MPS-32200 - 50	200V	50 A	10 KW
MPS-32150- 80	150 V	80A	12KW	MPS-32200 - 60	200V	60A	12KW
MPS-32150 - 100	150 V	100A	15KW	MPS-32200 - 75	200V	75A	15KW
MPS-32150 - 120	150 V	120A	18KW	MPS-32200 - 90	200V	90A	18KW
MPS-32150 - 160	150 V	160A	24KW	MPS-32200- 120	200V	120 A	24KW
MPS-32150 - 200	150 V	200A	30KW	MPS-32200- 150	200V	150 A	30KW
MPS-32150 - 300	150 V	300 A	45KW	MPS-32200- 225	200 V	225 A	45KW
MPS-32150 - 400	150 V	400A	60KW	MPS-32200- 300	200V	300 A	60KW
MPS-32150 - 500	150 V	500A	75KW	MPS-32200- 375	200V	375 A	75KW
MPS-32150 - 600	150 V	600A	90KW	MPS-32200- 450	200V	450 A	90KW
MPS-32150 - 700	150 V	700A	105 KW	MPS-32200- 500	200V	500 A	100KW

300 V Series				450 V Series			
MPS-32300- 2	300 V	2A	0. 6KW	MPS-32450- 2	450 V	2A	0. 9KW
MPS-32300- 3	300 V	3A	0. 9KW	MPS-32450- 4	450 V	4A	1. 8 KW
MPS-32300- 5	300 V	5A	1. 5 KW	MPS-32450- 6	450 V	6A	2. 7 KW

MPS-32300- 6	300 V	6A	1. 8KW	MPS-32450- 8	450 V	8A	3. 6 KW
MPS-32300- 8	300 V	8A	2. 4KW	MPS-32450 - 10	450 V	10A	4.5 KW
MPS-32300- 10	300 V	10 A	3KW	MPS-32450 - 16	450 V	16 A	7. 2 KW
MPS-32300- 15	300 V	15 A	4. 5 KW	MPS-32450 - 20	450 V	20A	9KW
MPS-32300- 20	300 V	20A	6KW	MPS-32450 - 26. 7	450 V	26. 7 A	12KW
MPS-32300- 25	300 V	25A	7. 5KW	MPS-32450 - 33. 5	450 V	33. 5 A	15KW
MPS-32300- 30	300 V	30A	9KW	MPS-32450 - 40	450 V	40 A	18KW
MPS-32300- 40	300 V	40A	12KW	MPS-32450 - 50	450 V	50 A	22. 5 KW
MPS-32300- 50	300 V	50A	15KW	MPS-32450 - 60	450 V	60 A	27 KW
MPS-32300- 60	300 V	60A	18KW	MPS-32450- 100	450 V	100 A	45 KW
MPS-32300- 80	300 V	80A	24KW	MPS-32450- 133	450 V	133A	60KW
MPS-32300 - 100	300 V	100 A	30KW	MPS-32450- 167	450 V	167A	75KW
MPS-32300 - 150	300 V	150 A	45KW	MPS-32450- 200	450 V	200A	90KW
MPS-32300 - 200	300 V	200 A	60KW				
MPS-32300 - 250	300 V	250 A	75KW				
MPS-32300 - 300	300 V	300 A	90KW				
MPS-32300 - 350	300 V	350 A	105KW				

	600 V Series			750 V Series			
MPS-32600 - 1	600 V	1A	0. 6KW	MPS-32750- 1	750 V	1A	0. 75 KW
MPS-32600 - 2	600 V	2A	1. 2KW	MPS-32750- 2	750 V	2A	1. 5KW
MPS-32600 - 3	600 V	3A	1. 8KW	MPS-32750- 3. 2	750 V	3. 2A	2. 4KW
MPS-32600 - 4	600 V	4A	2. 4KW	MPS-32750- 6. 7	750 V	6. 7 A	5KW
MPS-32600 - 5	600 V	5A	3KW	MPS-32750- 8	750 V	8A	6KW
MPS-32600 - 8	600 V	8A	4. 8KW	MPS-32750- 10	750 V	10A	7. 5KW
MPS-32600- 10	600 V	10A	6KW	MPS-32750- 12	750 V	12A	9KW
MPS-32600- 12	600 V	12A	7. 2 KW	MPS-32750- 16	750 V	16A	12KW
MPS-32600- 15	600 V	15A	9KW	MPS-32750- 20	750 V	20A	15KW
MPS-32600- 20	600 V	20A	12KW	MPS-32750- 24	750 V	24A	18KW
MPS-32600- 25	600 V	25A	15KW	MPS-32750- 32	750 V	32A	24KW

MPS-32600- 30	600 V	30A	18KW	MPS-32750- 40	750 V	40A	30KW
MPS-32600- 40	600 V	40A	24KW	MPS-32750- 60	750 V	60A	45KW
MPS-32600- 50	600 V	50A	30KW	MPS-32750- 80	750 V	80A	60KW
MPS-32600- 75	600 V	75A	45KW	MPS-32750 - 100	750 V	100 A	75KW
MPS-32600 - 100	600 V	100 A	60KW	MPS-32750 - 120	750 V	120 A	90KW
MPS-32600 - 125	600 V	125 A	75KW	MPS-32750 - 140	750 V	140 A	105KW
MPS-32600 - 150	600 V	150 A	90KW	MPS-32750 - 160	750 V	160 A	120KW
MPS-32600 - 175	600 V	175 A	105KW				
MPS-32600 - 200	600 V	200 A	120KW				


1000V Series				1500V Series			
MPS-321000- 1	1000V	1A	1KW	MPS-321500- 1	1500V	1A	1. 5KW
MPS-321000- 2	1000V	2A	2KW	MPS-321500- 2	1500V	2A	3KW
MPS-321000- 3	1000V	3A	3KW	MPS-321500- 4	1500V	4A	6KW
MPS-321000- 5	1000V	5A	5KW	MPS-321500- 6	1500V	6A	9KW
MPS-321000- 6	1000V	6A	6KW	MPS-321500- 8	1500V	8A	12KW
MPS-321000- 10	1000V	10A	10 KW	MPS-321500 - 10	1500V	10	15KW
MPS-321000- 15	1000V	15A	15KW	MPS-321500 - 20	1500V	20A	30KW
MPS-321000- 30	1000V	30 A	30KW				
2000V Series				3000V Series			
MPS-322000- 0. 6	2000V	0. 6A	1. 2KW	MPS-323000- 0. 5	3000V	0. 5A	1. 5KW
MPS-322000- 0. 9	2000V	0. 9A	1. 8KW	MPS-323000- 1	3000V	1A	3KW
MPS-322000- 3	2000V	3A	6KW	MPS-323000- 2	3000V	2A	6KW
5000V Series				6000V Series			
MPS-325000- 0. 6	5000V	0. 6A	3KW	MPS-326000- 0. 5	6000V	0. 5A	3KW
MPS-325000- 1. 2	5000V	1. 2A	6KW	MPS-326000- 1	6000V	1A	6KW


Note: The above is the model selection table of conventional models. For high-power (above 100KW) and other specifications, please consult the business personnel of MATRIX


Dimension and weight (net weight) table

Power range	Input		Max output	Max output	Size	Net weight
	voltage (V)	voltage (V)	current (A)		(wid*depth*heightmm)	(about Kg)
600W	AC220	300	20		215*320*44 (Floor mats not included15)	2.5
1500W	AC220	300	50		215*360*88 (Floor mats not included15)	6.1
1.5KW-3KW	AC220	300	100		215*400*88 (Floor mats not included15)	7.5
3KW-6KW	AC220	1200	100		430*420*88 (Floor mats not included15)	12.6
3KW-6KW	AC220	1200	200		430*500*88 (Floor mats not included15)	16
6KW-12KW	AC220	1200	300		430*560*132 (Floor mats not included15)	26
3KW-5KW	AC380	1200	100		430*420*88 (Floor mats not included15)	12.6
3KW-7.5KW	AC380	1200	200		430*500*88 (Floor mats not included15)	16
7.5KW-15KW	AC380	1200	500		430*560*132 (Floor mats not included15)	26
15KW-30KW	AC380	1200	1000		430*560*264 (Floor mats not included15)	52
30KW-45KW	AC380	1200	1500		430*560*629 Including casters	97
45KW-60KW	AC380	1200	2000		430*560*761Including casters	125
60KW-75KW	AC380	1200	2500		430*560*893 Including casters	152
75KW-90KW	AC380	1200	3000		430*560*1025Including casters	180
90KW-105KW	AC380	1200	3000		430*560*1157Including casters	208

picture

Model	Input	Voltage	Current	Power	Size (wid*dep*height)	Net weight
1U and half	AC220V±10%	0-300V	0-20A	0-600W	215mm*320mm*44mm	2.5KG
Model Picture						

Model	Input	Voltage	Current	Power	Size (wid*depth*height)	Weight
2U and half	AC220V±10 %	0-300V	0-50A	600W-1.5KW	215mm*360mm*88mm	6.1KG
			0-100A	1.5KW-3KW	215mm*400mm*88mm	7.5KG
机型图片						

Model	Input	Voltage	Current	Power	Size (wid*depth*height)	Weight
2U	Single phase: AC220V ±10 %	0-1200V	0-200A	Single unit3-6KW	430mm (482含耳朵) *420mm*88mm	12.6KG
	Three phase: AC380V ±10 %	0-1200V	0-200A	Single unit3-7.5KW	430mm (482含耳朵) *500mm*88mm	16KG
Picture						

Model	Input	Voltage	Current	Power	Size (wid*depth*height)	Weight
3U	Single phase: AC220V ±10 %	0-2000V	0-600A	Single unit6-12KW	430mm (482含耳朵) *560mm*132mm	26Kg
	Three phase: AC380V ±10 %	0-2000V	0-600A	Single unit7.5-15KW		

Picture

