

MPD-150W□1SD Series



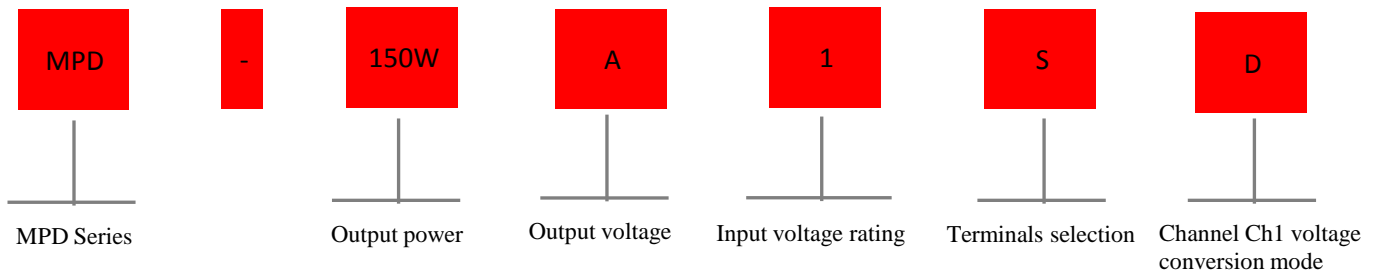
▲ Character

- 100% full aging
- Overvoltage、 overload、 short circuit protection
- LED work instruction
- Optional rail mounting rack, TS35 mounting
- The seismic protection
- "Three pivots" M4 large caliber installation
- The "Three Preventions" treatment is suitable for the worse working conditions
- Connection terminal with protective cover
- All aluminum shell
- Surge protection
- Warranty 2 years

▲ Apply

- Industrial automation control system
- Intelligent control system
- Electronic instruments and devices
- LED control
- Household appliances

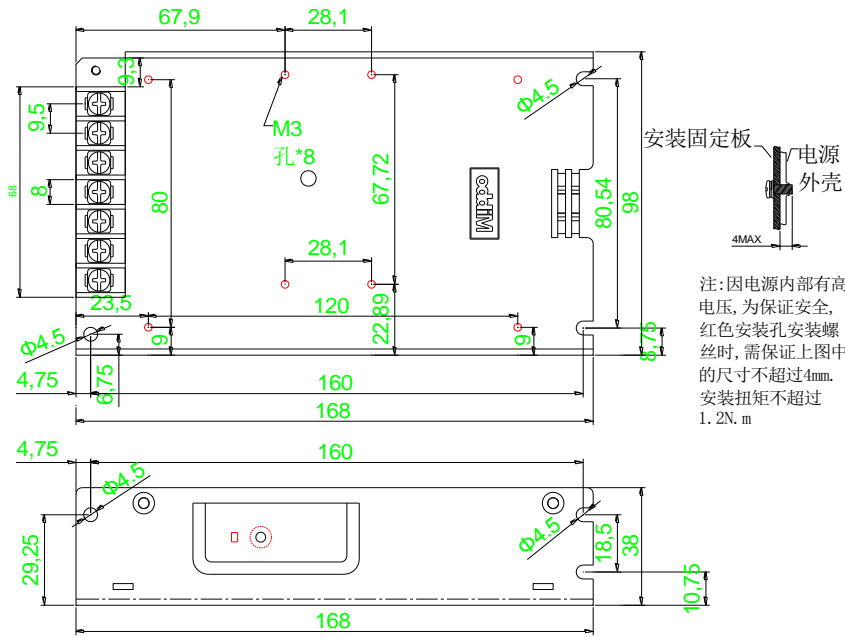
▲ Model code



Electrical specifications

Input parameter												
Input voltage	176-264VAC 250-370VDC											
Input current	2.0A/230VAC											
Input frequency	47-63Hz											
Surge current(max)	44A/230VAC											
Output parameter												
Output channel	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2
Direct rated voltage (V)	5	12	5	24	12	24	5	48	12	48	12	36
Frequency	80%		83%		83%		84%		86%		85%	
Output voltage regulation range	Ch2: 10.8-13.2		Ch2:21.4-28.8		Ch2:21.4-28.8		Ch2:43.2-57.6		Ch2:43.2-57.6		Ch2:28.8-41.4	
Rated current(A)	2.0	11.7	2.0	5.9	1.0	5.8	2.0	3.0	1.0	2.9	1.0	3.8
Rated power(W)	150.4		151.6		151.2		154.0		151.2		148.8	
Ripple noise(max MVP-P)Note2	80	120	80	120	80	120	80	140	80	140	80	140
Voltage accuracy Note3	±2%	±6%	±2%	±6%	±2%	±6%	±2%	±6%	±2%	±6%	±2%	±6%
Line regulation Note4	±0.5%											
Load regulation Note5	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%
Start up, rise time	1000ms 30ms/230VAC(full load)											
Storage time	20ms/230VAC(full load)											
Status indicator	Green LED											
Protect function												
Overload	Rated output power of 120%-150%											
	Protected mode:hiccup mode,the load exception can be automatically restored after an exception is removed											
Overvoltage(V)	Ch2: 13.8-16.2	Ch2: 27.6-32.4	Ch2: 27.6-32.4	Ch2: 57.6-67.2	Ch2: 57.6-67.2	Ch2:41.4-48.6						
	Protected mode:hiccup mode,the voltage exception can be automatically restored after an exception is removed											
Three proof treatment	It is suitable for high dust and condensation occasions											
Safety and electromagnetic compatibility												
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC											
Insulation impedance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH											
Safety specification Note6	GB4943.1											
Electromagnetic compatible emission	EN55022(CISPR22)Class B,EN61000-3-2,-3											
Electromagnetic compatible immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-1,A class a light industry standard											
Environmental parameters												
Working temperature	- 25~+60℃ (>50℃Reduced rating, see temperature characteristic curve)											
Storage temperature	- 20~+85℃											
Storage humidity	10-95% RH											
Resistance to shock	10-500Hz,2G 10 minutes/Period X, Y, and Z axis 60 minutes											
The other parameters												
Mean time between failure	≥370K hrs,MIL-HDBK-217F(25℃)											
Installation	The plate screw is fixed ,or optional accessory can TS35 guide rail installation											
Protection class	IP20											
Weight	About 0.51Kg											
Length*width*height	168*98*38mm											
Order data	Parameters to describes						Order type					
	MPD 150.4W 2.0A/5V 11.7A/12V						MPD-150WA1SD					
	MPD 151.6W 2.0A/5V 5.9A/24V						MPD-150WB1SD					
	MPD 151.2W 1.0A/12V 5.8A/24V						MPD-150WC1SD					
	MPD 154W 2.0A/5V 3.0A/48V						MPD-150WD1SD					
	MPD 151.2W 1.0A/12V 2.9A/48V						MPD-150WF1SD					
	MPD 151.2W 1.0A/12V 3.8A/36V						MPD-150WJ1SD					
Accessory	Parameters to describes						Order type					
Guide card feet	TS35 Install accessories						MPS-F050C					

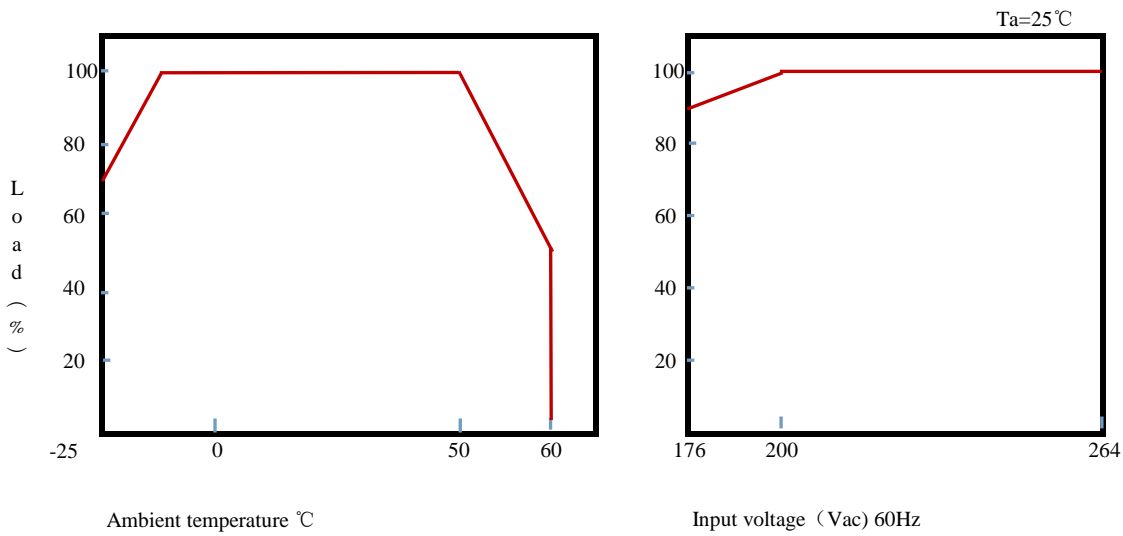
Installation diagram



接线端子安装说明

端子排规格	U形接线端子宽度	线材安装规格	最大扭矩
95端子排	8mm MAX	22-12AWG	1.2N.m(MAX)

Temperature profile



Note

- 1: If not specified otherwise, all of the specifications of the parameters in the input is 230VAC, rated load, 25 °C ambient temperature testing.
- 2: Ripple and noise measurement method: using a pair of twisted pair, the output point needs to be shunt 0.1Uf and 47Uf capacitance, which is measured at 20MHZ bandwidth.
- 3: Precision: includes setting error, linear adjustment rate and load adjustment rate.
- 4: Measurement of linear adjustment rate: under rated load, from high voltage to low voltage test.
- 5: Load adjustment rate measurement method: from 0% to 100% rated load.
- 6: According to the requirements of GB4943.1, the power supply is only used for safe use in areas below sea level of 2000M and non-tropical climates.