

MPD-050W□FSD Series



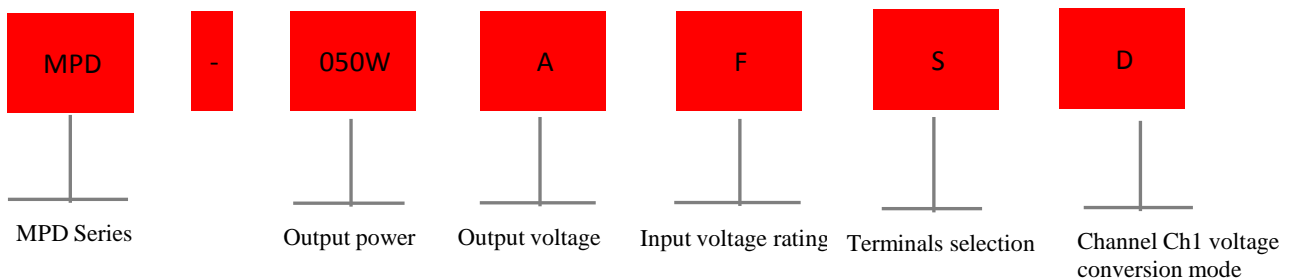
▲ Character

- 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

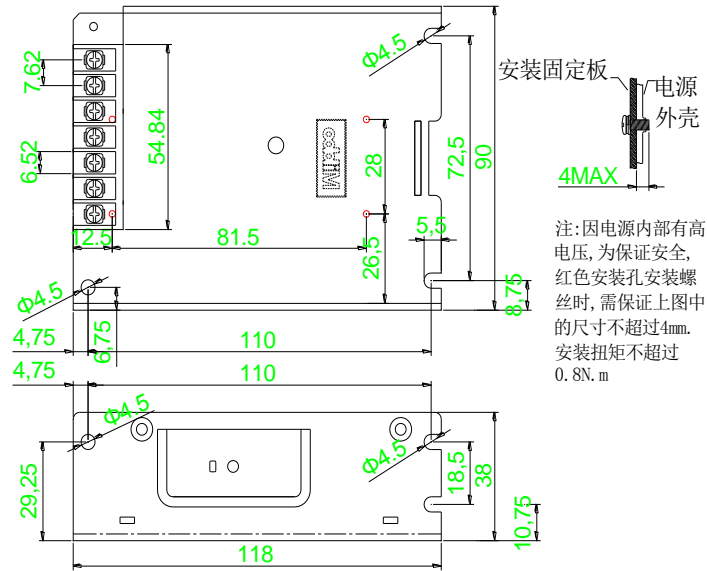
▲ Model code



Electrical specifications

Input parameter										
Input voltage	85-264VAC 120-370VDC									
Input current	0.75A/115VAC 0.5A/230VAC									
Input frequency	47-63Hz									
Surge current(max)	22A/115VAC 44V/230VAC									
Output parameter										
Output channel	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2
Direct rated voltage (V)	5	12	5	24	12	24	5	48	12	48
Frequency	78%		80%		83%		84%		86%	
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	
Rated current(A)	2.0	3.4	2.0	1.7	1.0	1.6	2.0	0.85	1.0	0.8
Rated power(W)	50.8		50.8		50.4		50.8		50.4	
Ripple noise(max MVP-P)Note2	60	80	60	80	60	80	60	80	60	80
Voltage accuracy Note3	±2%	±6%	±2%	±6%	±2%	±6%	±2%	±6%	±2%	±6%
Line regulation Note4	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%
Load regulation Note5	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%	±0.5%	±1%
Start up, rise time	500ms 30ms/230VAC 1200ms 30ms/115VAC(full load)									
Storage time	20ms/230VAC 16ms/115VAC(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	
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 0.35Kg									
Length*width*height	118*90*38mm									
Order data	Parameters to describes						Order type			
	MPD 50.8W 2.0A/5V 3.4A/12V						MPD-050WAFSD			
	MPD 50.8W 2.0A/5V 1.7A/24V						MPD-050WBFSD			
	MPD 50.4W 1.0A/12V 1.6A/24V						MPD-050WCFSD			
	MPD 50.8W 2.0A/5V 0.85A/48V						MPD-050WDFSD			
	MPD 50.4W 1.0A/12V 0.8A/48V						MPD-050WFFSD			
Accessory	Parameters to describes						Order type			
Guide card feet	TS35 Install accessories						MPS-F050B			

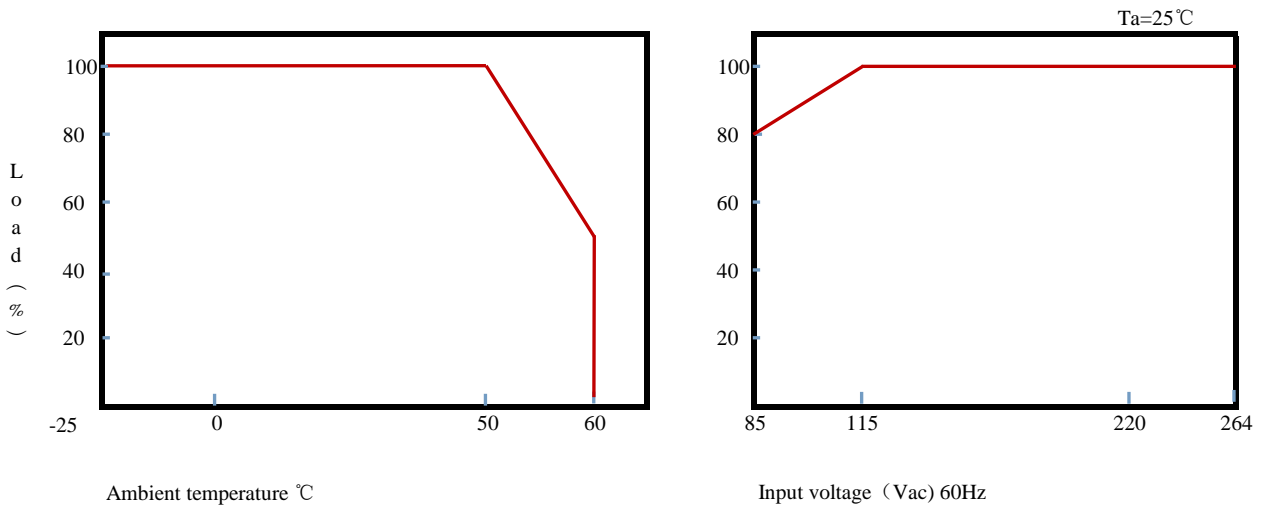
Installation diagram



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
762端子排	6.5mm MAX	22-14AWG	0.8N.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.