

MPS-150W□1S Series



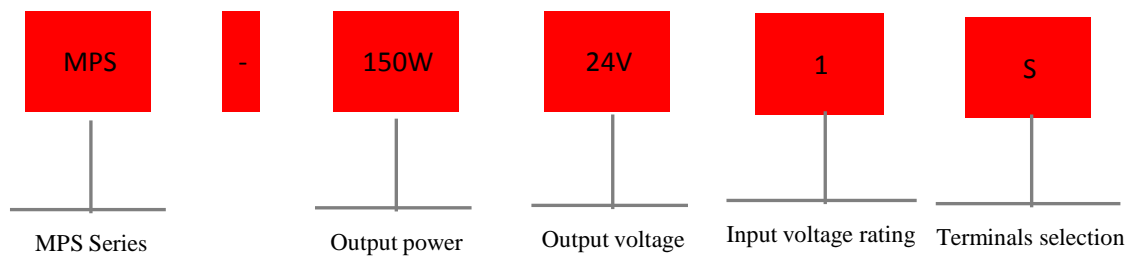
▲ Character

- The ripple performance is superior
- 100% full aging
- Overvoltage、 overload、 short circuit protection
- LED work instruction
- Optional rail mounting rack, TS35 mounting
- Momentary overload capacity at 120%-150%
- High efficient natural heat dissipation
- 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 3 years

▲ Apply

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

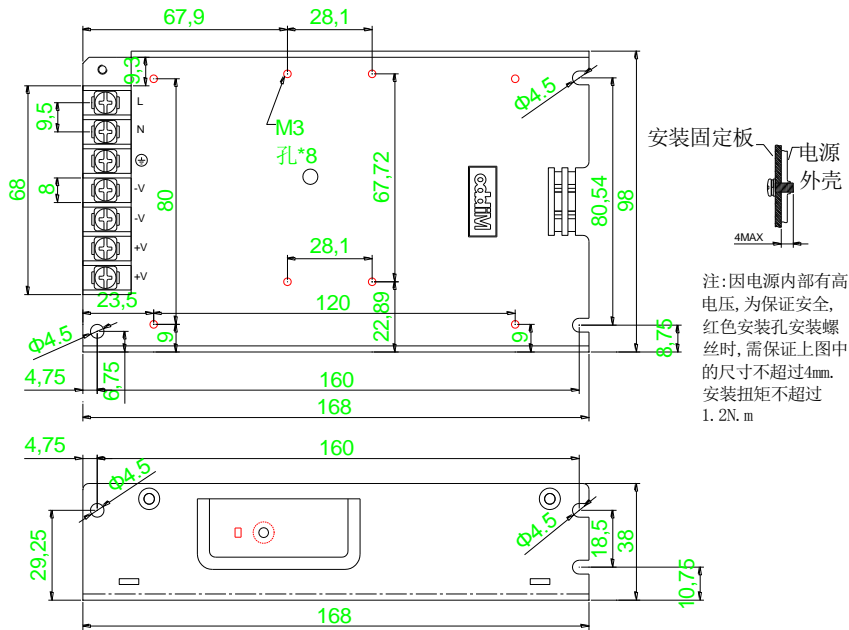
▲ Model code



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								
Direct rated voltage (V)	5	7.5	9	12	15	24	36	48
Frequency	80%	80%	80%	83%	84%	86%	86%	86%
Output voltage regulation range	±10%							
Rated current(A)	26.0	17.4	16.7	12.5	10.0	6.3	4.2	3.2
Rated power(W)	130.0	130.5	150.3	150.0	150.0	151.2	151.2	153.6
Ripple noise(max MVP-P)Note2	80	120	120	120	120	120	130	200
Voltage accuracy Note3	±1%							
Line regulation Note4	±0.5%							
Load regulation Note5	±0.5%							
Start up, rise time	800ms 20ms/230VAC(full load)							
Storage time	24ms/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)	5.6-6.8	8.6-10.1	10.4-12.2	13.8-16.2	18-21	27.6-32.4	41.4-46.8	57.6-67.2
	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	- 40 ~+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	≥320K hrs,MIL-HDBK-217F(25℃)							
Installation	The plate screw is fixed ,or optional accessory can TS35 guide rail installation							
Protection class	IP20							
Weight	About 0.49Kg							
Length*width*height	168*98*38mm							
Order data	Parameters to describes				Order type			
	MPS 130.0W 26.0A 05V				MPS-150W05V1S			
	MPS 130.5W 17.4A 7.5V				MPS-150W07V1S			
	MPS 150.3W 16.7A 09V				MPS-150W09V1S			
	MPS 150.0W 12.5A 12V				MPS-150W12V1S			
	MPS 150.0W 10A 15V				MPS-150W15V1S			
	MPS 151.2W 6.3A 24V				MPS-150W24V1S			
	MPS 151.2W 4.2A 36V				MPS-150W36V1S			
	MPS 153.6W 3.2A 48V				MPS-150W48V1S			
Accessory	Parameters to describes				Order type			
Guide card feet	TS35 Install accessories				MPS-F050C			

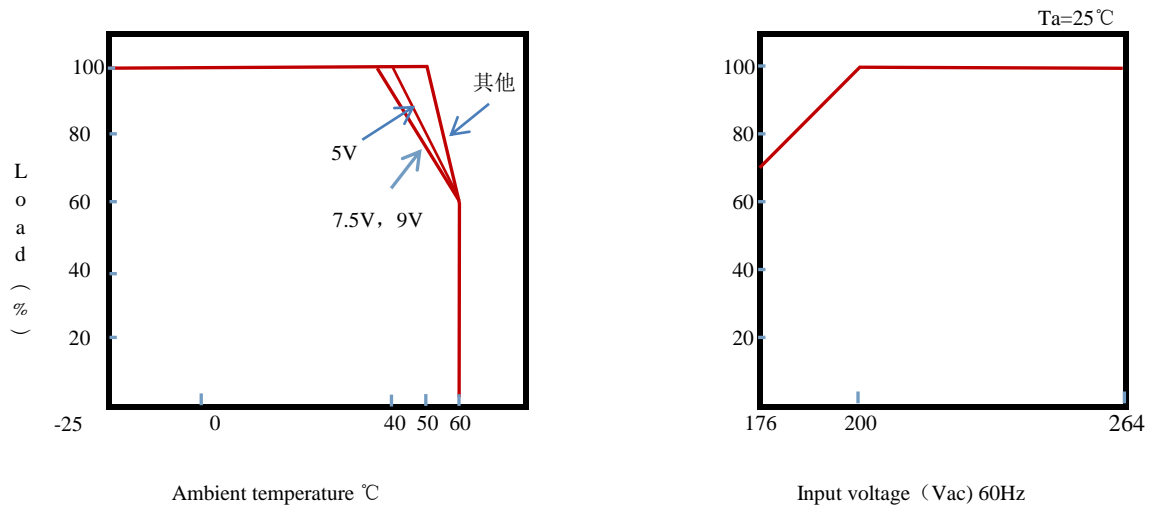
Installation diagram



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.