

MPS-100W□FS Series



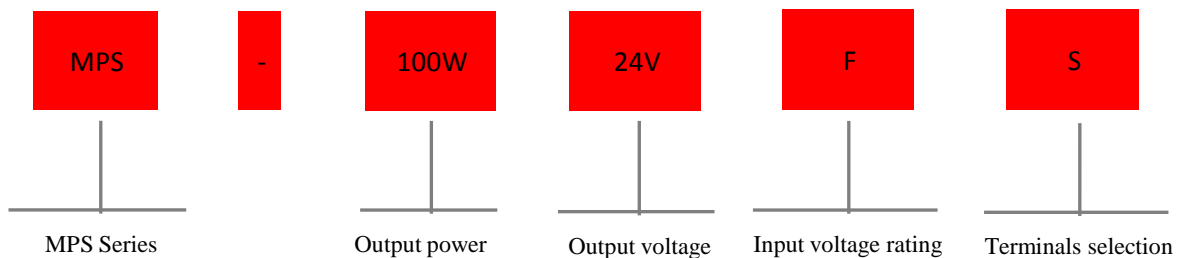
▲ Character

- 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

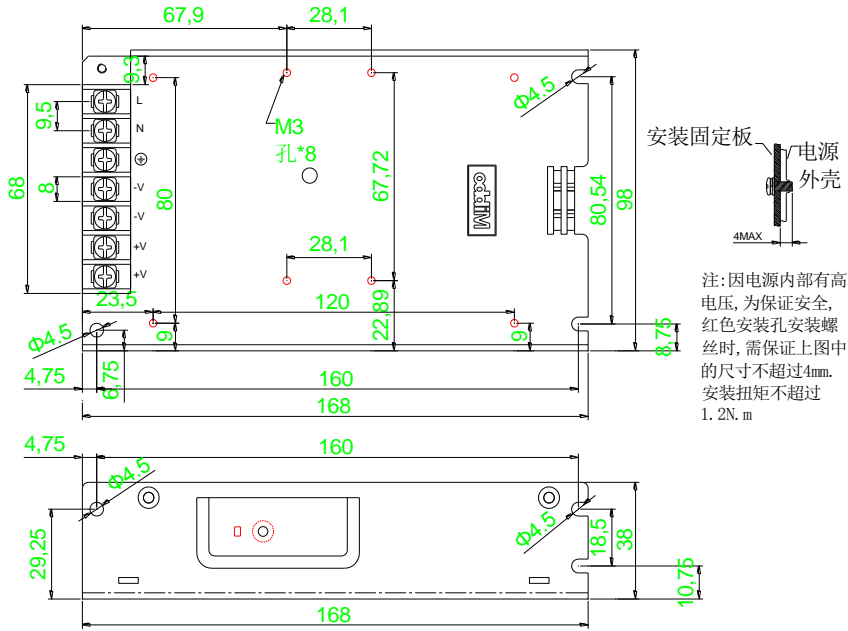
▲ Model code



Electrical specifications

Input parameter									
Input voltage	85-264VAC 120-370VDC								
Input current	2.0A/115VAC 1.2A/230VAC								
Input frequency	47-63Hz								
Surge current(max)	22A/115VAC 44A/230VAC								
Output parameter									
Direct rated voltage (V)	3.3	5	7.5	9	12	15	24	36	48
Frequency	78%	78%	78%	85%	85%	86%	88%	88%	88%
Output voltage regulation range	±10%								
Rated current(A)	20.0	20.0	13.4	11.2	8.4	6.7	4.2	2.8	2.1
Rated power(W)	66.0	100.0	100.5	100.8	100.8	100.5	100.8	100.8	100.8
Ripple noise(max MVP-P)Note2	80	80	120	120	120	120	130	130	150
Voltage accuracy Note3	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Line regulation Note4	±0.5%								
Load regulation Note5	±1%	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Start up, rise time	1000ms 20ms/230VAC 1000ms 20ms/115VAC(full load)								
Storage time	30ms/230VAC 25ms/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)	3.7-4.2	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 0.45Kg								
Length*width*height	168*98*38mm								
Order data	Parameters to describes					Order type			
	MPS 66W 20.0A 3.3V					MPS-100W03VFS			
	MPS 100W 20.0A 05V					MPS-100W05VFS			
	MPS 100.5W 13.4A 7.5V					MPS-100W07VFS			
	MPS 100.8W 11.2A 09V					MPS-100W09VFS			
	MPS 100.8W 8.4A 12V					MPS-100W12VFS			
	MPS 100.5W 6.7A 15V					MPS-100W15VFS			
	MPS 100.8W 4.2A 24V					MPS-100W24VFS			
	MPS 100.8W 2.8A 36V					MPS-100W36VFS			
	MPS 100.8W 2.1A 48V					MPS-100W48VFS			
Accessory	Parameters to describes					Order type			
Guide card feet	TS35 Install accessories					MPS-F050C			

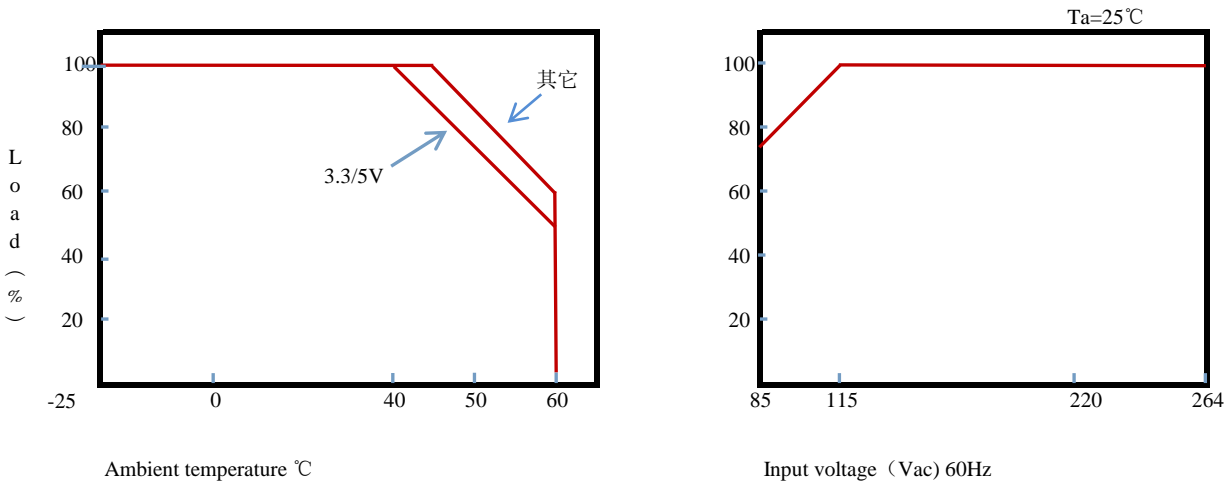
Installation diagram



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.