

MPS-350W□1S Series



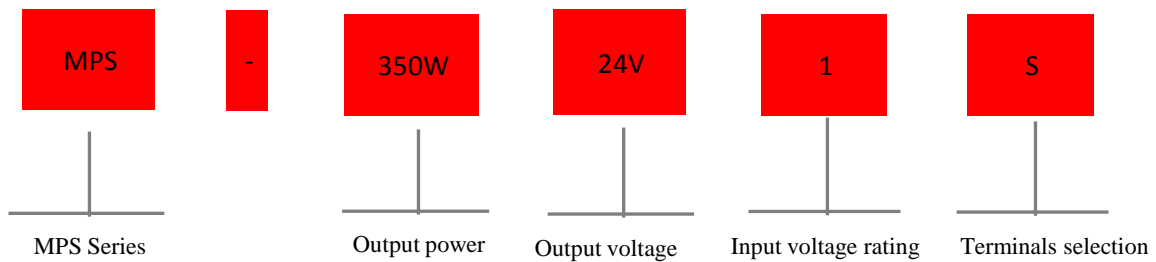
▲ Character

- The ripple performance is superior
- 100% full aging
- Overvoltage、overvoltage、overload、short circuit protection
- LED work instruction
- Optional rail mounting rack, TS35 mounting
- Momentary overload capacity at 120%-150%
- Smart fan cooling
- 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

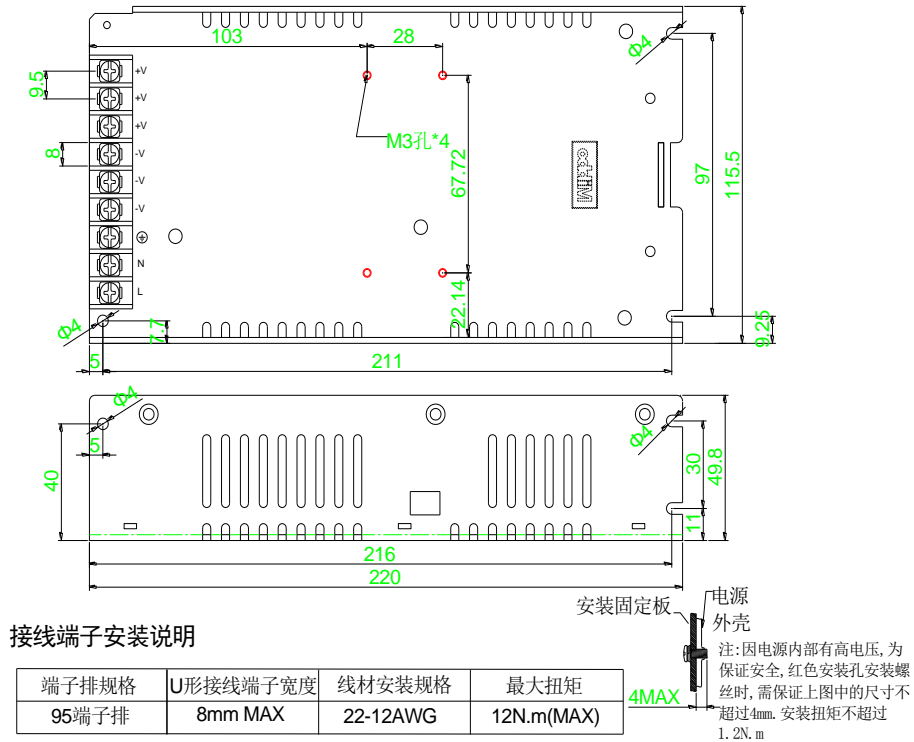
▲ Model code



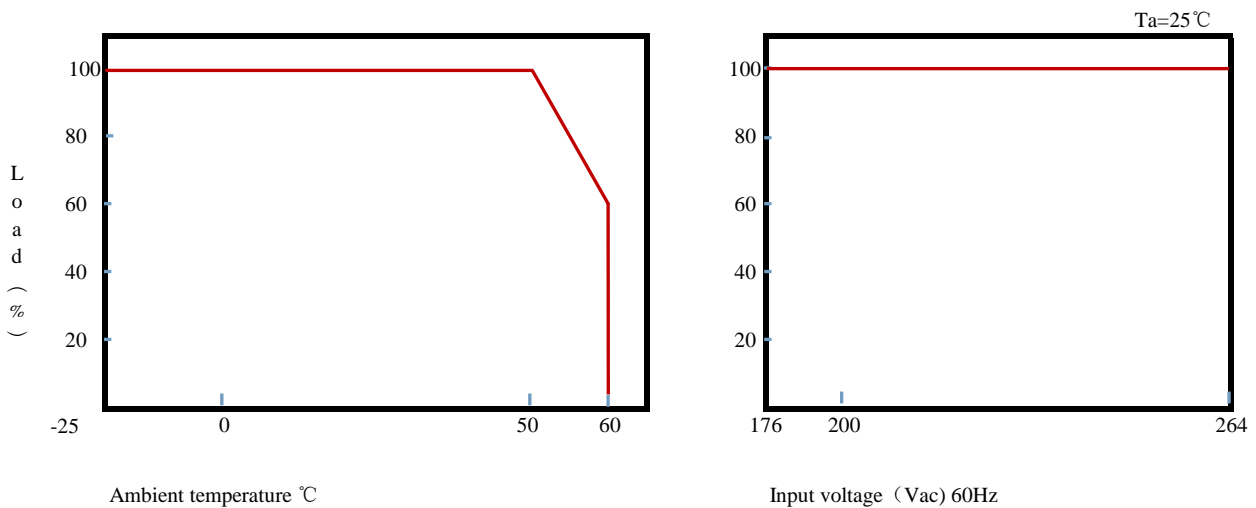
Electrical specifications

Input parameter									
Input voltage	176-264VAC 250-370VDC								
Input current	4A/230VAC								
Input frequency	47-63Hz								
Surge current(max)	60A/230VAC								
Output parameter									
Direct rated voltage (V)	3.3	5	7.5	12	15	24	27	36	48
Frequency	74%	78%	80%	84%	85%	87%	88%	88%	88%
Output voltage regulation range	±10%								
Rated current(A)	60.0	60.0	46.7	29.2	23.4	14.6	13.0	9.8	7.3
Rated power(W)	198.0	300.0	350.2	350.4	351.0	350.4	351.0	352.8	350.4
Ripple noise(max MVP-P)Note2	150	150	150	150	150	150	200	240	240
Voltage accuracy Note3	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Line regulation Note4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note5	±2%	±2%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Start up, rise time	1000ms 50ms/230VAC(full load)								
Storage time	20ms/230VAC(full load)								
Status indicator	Green LED								
Protect function									
Overload	Rated output power of 120%-150%								
	Protected mode:constant current 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	13.8-16.2	18-21	27.6-32.4	33.7-39.2	41.4-46.8	57.6-67.2
	Protected mode:turn off output voltage,restart recovery								
Smart fan	Intelligent decision temperature,when the machine temperature is above 40℃ start fan to force heat dissipation								
Overtemperature protection	The output temperature will recover automatically after the temperature is returned to normal								
Three proof treatment	It is suitable for high dust and condensation occasions								
Safety standard									
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								
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	≥234K hrs,MIL-HDBK-217F(25℃)								
Installation	The plate screw is fixed ,or optional accessory can TS35 guide rail installation								
Protection class	IP20								
Weight	About 0.87Kg								
Length*width*height	220*115*50mm								
Order data									
	Parameters to describes					Order type			
	MPS 198.0W 60.0A 3.3V					MPS-350W03V1S			
	MPS 300.0W 60.0A 05V					MPS-350W05V1S			
	MPS 350.2W 46.7A 7.5V					MPS-350W07V1S			
	MPS 350.4W 29.2A 12V					MPS-350W12V1S			
	MPS 351.0W 23.4A 15V					MPS-350W15V1S			
	MPS 350.4W 14.6A 24V					MPS-350W24V1S			
	MPS 351.0W 13.0A 27V					MPS-350W27V1S			
	MPS 352.8W 9.8A 36V					MPS-350W36V1S			
	MPS 350.4W 7.3A 48V					MPS-350W48V1S			
	Parameters to describes					Order type			
Accessory	Parameters to describes					Order type			
Guide card feet	TS35 Install accessories					MPS-F050B			

Installation diagram



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.