Mibbo

MPS-200W☐SS Series

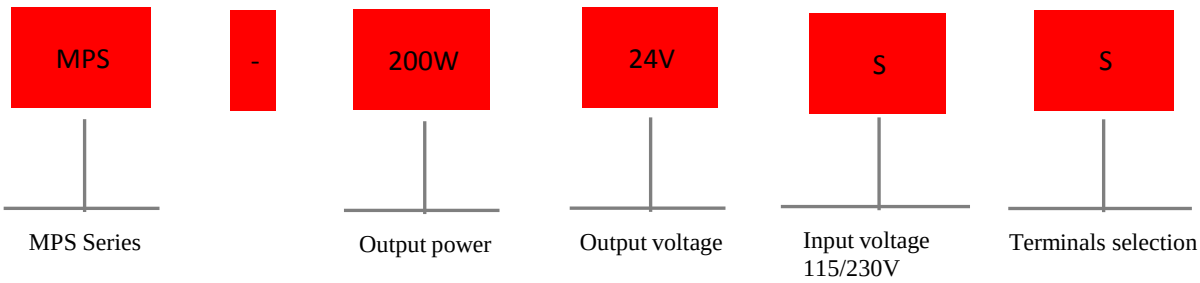
▲ **Character**

The ripple performance is superior
115/230V input,by switching
100% full aging
Overvoltage、overvoltage、overload、short circuit protection
LED work instruction
Optional rail mounting rack, TS35 mounting
Momentary overload capacity at 110%-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**



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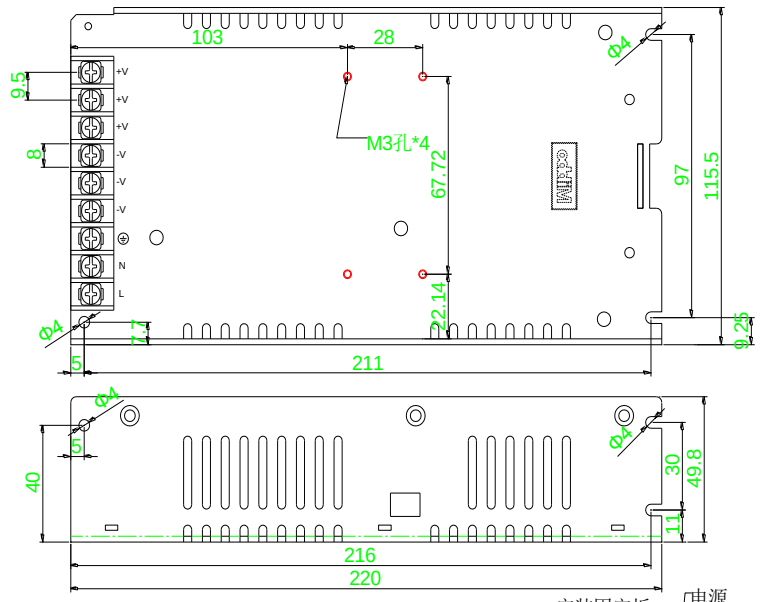
Electrical specifications

Input parameter					
Input voltage	90-132VAC or 180-264VAC（dial switch switchover） 254-370VDC				
Input current	4.5A/115VAC 2.5A/230VAC				
Input frequency	47-63Hz				
Surge current(max)	40A/115VAC 55A/230VAC				
Output parameter					
Direct rated voltage (V)	5	12	24	36	48
Freguency	85%	85%	86%	86%	88%
Output voltage regulation range	±10％				
Rated current(A)	40.0	16.7	8.4	5.6	4.2
Rated power(W)	200.0	200.4	201.6	201.6	201.6
Ripple noise(max MVP-P)Note2	150	150	150	240	240
Voltage accuracy Note3	±2%	±1%	±1%	±1%	±1%
Line regulation Note4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note5	±2.5%	±0.5%	±0.5%	±0.5%	±0.5%
Start up，rise time	1000ms 50ms/230VAC 1000ms 50ms/115VAC(full load)				
Storage time	20ms/230VAC 16ms/115VAC(full load)				
Status indicator	Green LED				
Protect function					
Overload	Rated output power of 110%-150%				
	Protected mode:constant current mode,the load exception can be automatically restored after an exception is removed				
Overvoltage(V)	5.6-6.8	13.8-16.2	27.6-32.4	41.4-46.8	57.6-67.2
	Protected mode:turn off output voltage,restart recovery				
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～+50℃（＞40℃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	≥270K hrs,MIL-HDBK-217F(25℃)				
Installation	The plate screw is fixed ,or optional accessory can TS35 guide rail installation				
Protection class	IP20				
Weight	About 0.79Kg				
Length*width*height	220*115*50mm				

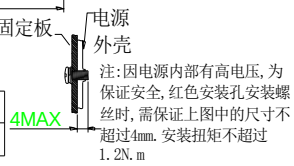
Order data	**Parameters to describes**	**Order type**
	MPS 200.0W 40.0A 05V	MPS-200W05VSS
	MPS 200.4W 16.7A 12V	MPS-200W12VSS
	MPS 201.6W 8.4A 24V	MPS-200W24VSS
	MPS 201.6W 5.6A 36V	MPS-200W36VSS
	MPS 201.6W 4.2A 48V	MPS-200W48VSS
Accessory	**Parameters to describes**	**Order type**
Guide card feet	TS35 Install accessories	MPS-F050B

Installation diagram



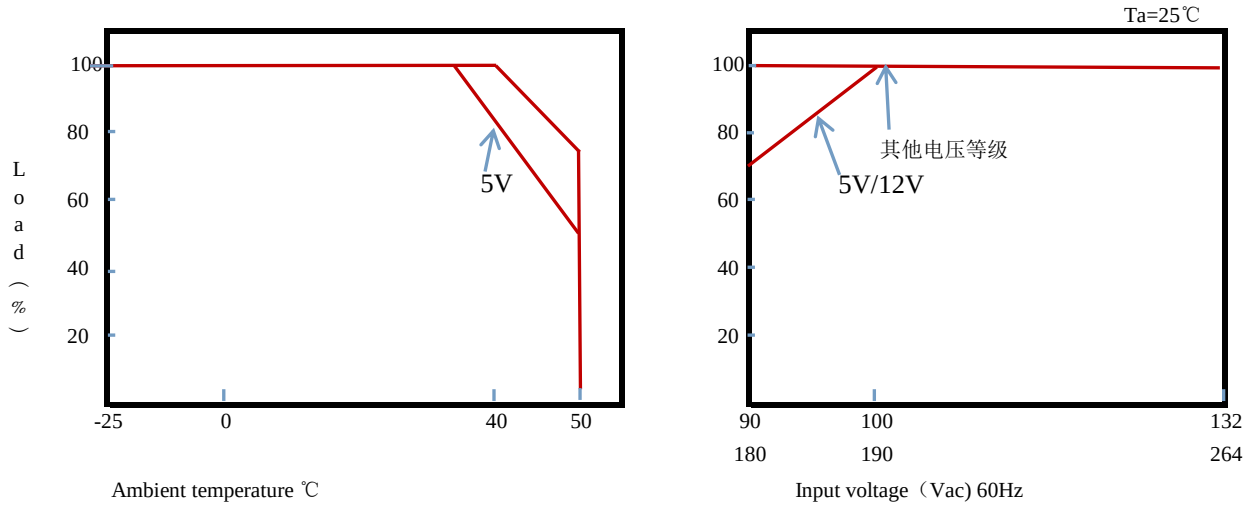
接线端子安装说明

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



注:因电源内部有高电压,为保证安全,红色安装孔安装螺丝时,需保证上图中的尺寸不超过4mm.安装扭矩不超过1.2N.m

Temperature profile



Note

1：If not specified otherwise, all of the specifications of the parameters in the input is 230VAC, rated load, 25 ℃ 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.