



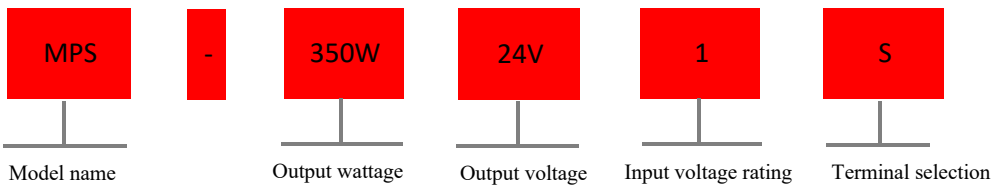
▲ Features

- Superior performance with small ripple
- 100% full load burn-in test
- Protections: short circuit/overload/over voltage
- LED indicator for power on
- Optional rail mounting bracket can be installed on DIN rail TS35
- Instant overload capability is 120%-150%
- Cooling by free air convection
- Seismic protection
- “Three pivot points” M4 large caliber installation
- “Three proof” treatment, suitable for severe environment
- Terminal with protective cover
- All aluminum case
- Surge protection
- 3 years warranty

▲ Applications

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

▲ Model Encoding



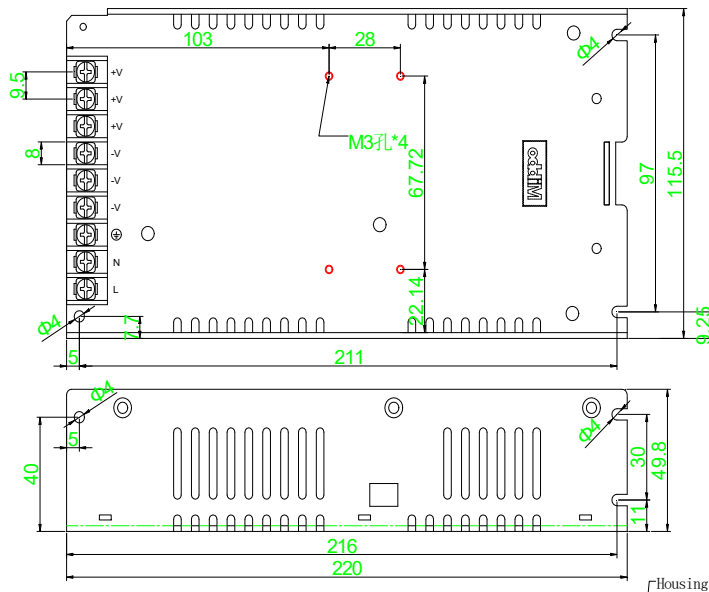


Specification

Input											
Voltage range	176-264VAC 250-370VDC										
AC current	4A/230VAC										
Frequency range	47-63Hz										
Inrush current (max)	60A/230VAC										
Output											
DC voltage (V)	3.3V	5V	7.5V	12V	15V	24V	27V	36V	48V	60V	80V
Efficiency	74%	78%	80%	84%	85%	87%	88%	88%	88%	88%	88%
Voltage ADJ.range	±10%										
Rated Current(A)	60A	60A	46.6A	29.1A	23.3A	14.6A	12.9A	9.7A	7.3A	5.9A	4.5A
Rated power(W)	198W	300W	350.2W	350.4W	351W	350.4W	351W	352.8W	350.4W	350W	360W
Ripple & noise(max) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p	240mVp-p	260mVp-p	300mVp-p
Voltage tolerance Note.3	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Line regulation Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note.5	±2%	±2%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Setup, rise time	1000ms 50ms/230VAC(at full load)										
Hold up time	20ms/230VAC(at full load)										
Status indicator	Green LED										
Protection											
Overload	120%-150% rated output power Protection type: Constant current limiting, recovers automatically after fault condition is removed										
Over voltage(V)	3.7-4.2V	5.6-6.8V	8.6-10.1V	13.8-16.2V	18-21V	27.6-32.4V	33.7-39.2V	41.4-46.8V	57.6-67.2V	69-81V	92-108V
	Protection type: shut-off mode, re-power on to recover										
Smart fan	Intelligent judgment of temperature, when the machine temperature is higher than 40°C start the fan forced heat dissipation										
Over temperature	Protection type: shut down o/p voltage, recovers automatically after temperature goes down										
Three proof treatment	Suitable for high dust, condensation occasions										
Safety and EMC											
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC										
Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70% RH										
Safety standards	Design refer to EN IEC 62368-1、GB4943.1										
EMC emission	Parameter		Standard				Test Level				
	Conducted		EN 55032				Class A				
	Radiated		EN 55032				Class A				
	Voltage Flicker		EN 61000-3-3				Design refer to Class A				
	Harmonic Current		EN IEC 61000-3-2				Design refer to Class A				
EMC immunity	Parameter		Standard				Test Level				
	ESD		EN 61000-4-2				Level 3 8KV air; Level 2 4KV contact				
	Radiated Susceptibility		EN 61000-4-3				Level 2 3V/m				
	EFT/Burest		EN 61000-4-4				Level 3 2KV				
	Surge		EN 61000-4-5				Level 3 2KV/Line-Line; Level 3 4KV/Line-Line-FG				
	Conducted		EN 61000-4-6				Level 2 3V				
	Magnetic Field		EN 61000-4-8				Level 2 3A/m				
	Voltage Dips and interruptions		EN 61000-4-11				< 5% residual voltage for 0.5 cycles, 70% residual voltage for 25 cycles, < 5% residual voltage for 250 cycles.				
Environmental											
Working temperature	- 25 ~ +60°C(Refer to "Derating curve ")										
Storage temperature	- 20 ~ +85°C										
Storage humidity	10-95 % RH										
Vibration	Component:10-500Hz,2G 10 min/1cycle 60 min each along X,Y,Z axes										
Others											
Mean time between failure	≥234K hrs,MIL-HDBK-217F(25°C)										
Installation	Plate screws fixed, or optional accessories can be TS35 guide rail installation										
Protection class	IP20										
Weight	About 0.87Kg										
Length*width*height	220*115*50mm										

Data	Details	Model name
	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
	MPS 350W 5.8A/60V	MPS-350W60V1S
	MPS 360W 4.5A/80V	MPS-350W80V1S
Attachment	Details	Model name
Rail pin	TS35 installation accessories	MPS-F050B

Installation Instruction

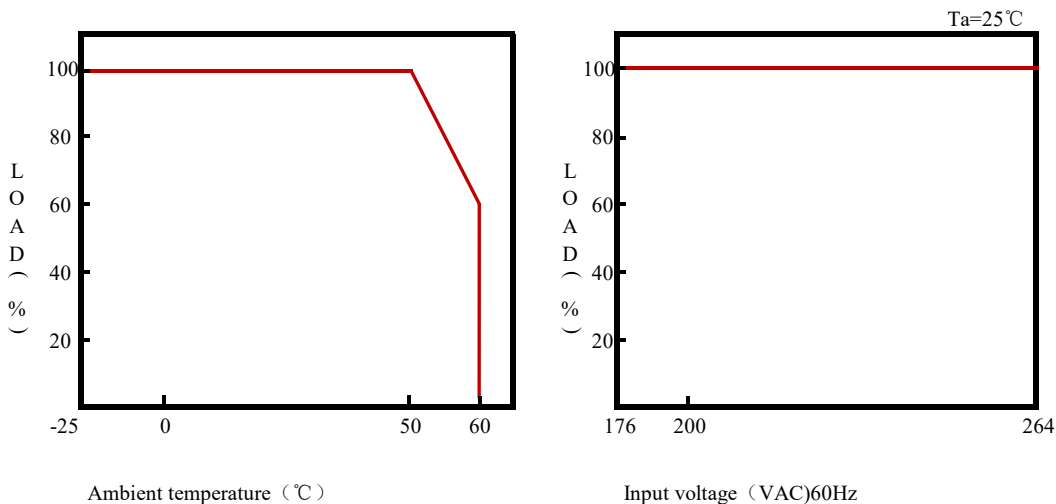


Installation Instructions

Terminal Spec	U Type of the width of the terminal	Wire installation specification	Max. Torque
95 Terminal	8mm MAX	22-12AWG	1.2N.m(max)

Due to the high voltage inside the power supply, please kindly ensure the safety when installing the screws in the red mounting hole, It is necessary to ensure that the size in the drawing above is not more than 4mm, and the installation torque is not more than 1.2N.m

Derating curve



- Note:**
- 1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
 - 2.Ripple & noise are measured at 20MHZ of bandwidth by using a 12"twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor."
 - 3.Tolerance:includes set up tolerance,line regulation and load regulation.
 - 4.Line regulation is measured from low line to high line at rated load.
 - 5.Load regulation is measured 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.