

MPH-350W□1S Series



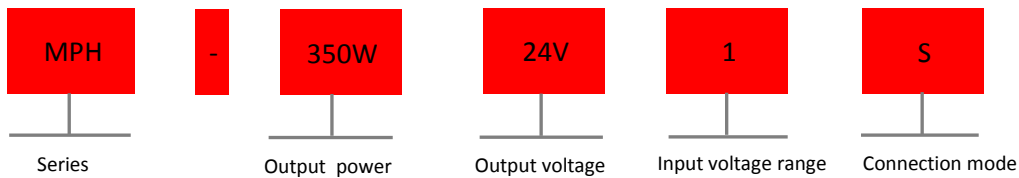
▲ Specification

Rated input voltage:380VAC
High performance in ripple
100% full load burn-in test
Protection: Over temp/Over voltage/Over load/Short circuit
Power ON LED indicator
TS 35 rail installation(with optional rail mounting bracket)
Over load range:120%~150%
Intelligent fan cooling
Seismic protection
“Three pivot point” M4 installation
Terminal with protective cover
Alluminum case
Surge protection
3 years warranty

▲ Applications

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

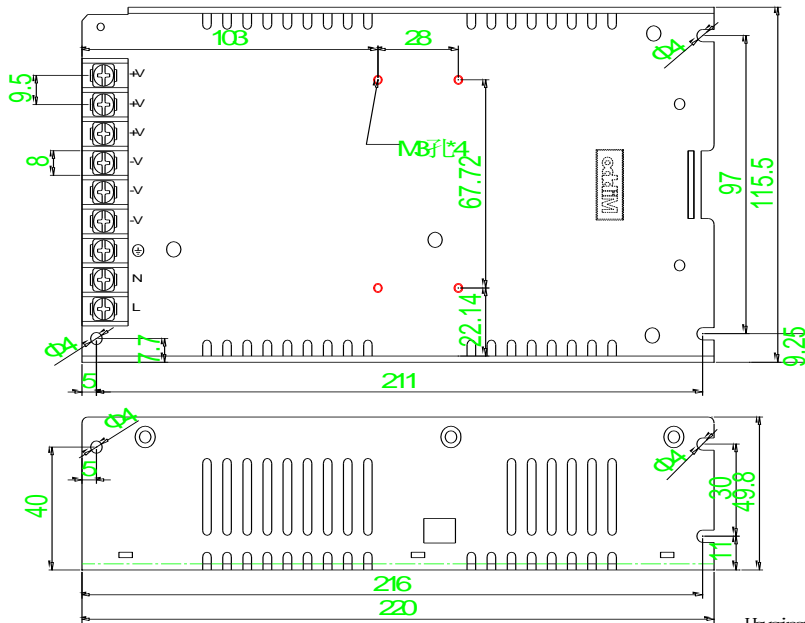
▲ Model encoding



Specification

Input		
Voltage range	380-450VAC	
AC current	4A/380VAC	
Frequency range	47-63Hz	
Inrush current (max)	60A/380VAC	
Output		
DC voltage (V)	12V	24V
Efficiency	84%	87%
Voltage ADJ range	±10%	
Rated current(A)	29.2A	14.6A
Rated power (W)	350.4W	
Ripple & noise(max)note2	150mVp-p	
Voltage tolerance note3	±1%	±1%
Line regulation noite4	±0.5%	±0.5%
Load regulation note5	±0.5%	±0.5%
Setup, rise time	1000ms 50ms/380VAC(at full load)	
Hold up time	20ms/380VAC(at full load)	
Status indicator	Green LED	
Protection		
Over load	120%-150% of the rated output power	
	Protection mode : Hiccup mode , recover automatically after fault condition is removed	
Over voltage(V)	13.8-16.2V	27.6-32.4V
	Protection mode : Hiccup mode , recover automatically when Power restart	
Intelligent fan	Detect temperature intelligently. Start the fan to cool when the temperature exceed 40°C	
Over temperature	Protection mode: shut down output. Recover when the temperature within the normal range	
Safety and EMC		
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70 % RH	
Safety standard note 6	60950-1、GB4943.1	
EMC emission	Compliance to EN55022(CISPR22)Class B,EN61000-3-2,-3	
EMC immunity	Compliance to EN61000-4-2 , 3 , 4 , 5 , 6 , 8 , 11 , EN61000-6-1,light industry level,criteria A	
Environment		
Working temperature	- 25 ~ +60°C (Refer to derating curve)	
Storage temperature	- 20 ~ +85°C	
Storage humidity	10-95 % RH	
Vibration resistance	10-500Hz,2G 10Min/Circle 60min in each X,Y,Z direction	
Others		
MTBF	≥234K hrs,MIL-HDBK-217F(25°C)	
Installation	Screw in plate. Or install in TS 35 rail with the accessory	
Protection class	IP20	
Weight	About 0.87Kg	
Dimension	220*115*50mm(Length* width* Height)	
Data	Description	Model
	MPH 350.4W 29.2A 12V	MPH-350W12V1S
	MPH 350.4W 14.6A 24V	MPH-350W24V1S
Accessory	Description	Model
Rail pin	TS35 mounting accessory	MPS-F050B

Installation instruction



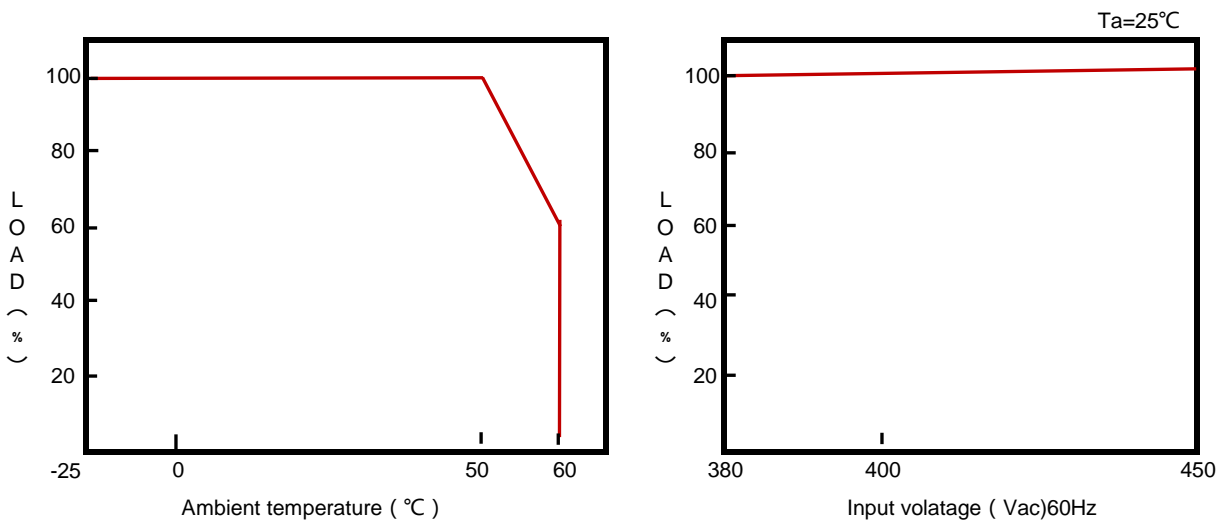
Installation Instructions

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

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

4MAX

Derating curve



- Note:**
1. All parameters NOT specially mentioned are measured at 380VAC 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 high voltage to low voltage 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.