

MPH-100W□V1S Series



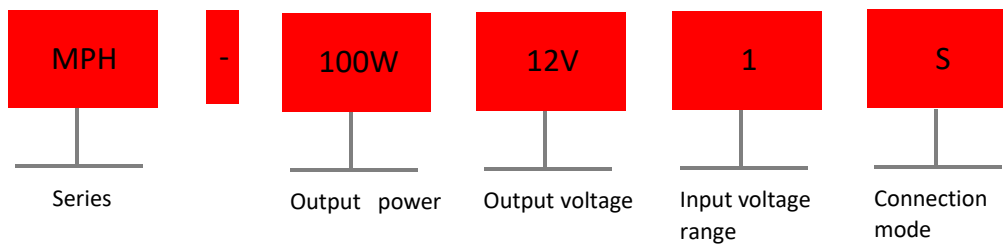
▲ Specifecation

- Over load range:110%-150%
- Protection:Over voltage/Over load/Short circuit
- Alluminum case
- Seismic protection
- 3 years warranty

▲ Applications

- Industrial automation control system
- Intelligent control system
- Electronic instruments and devices

▲ Model encoding

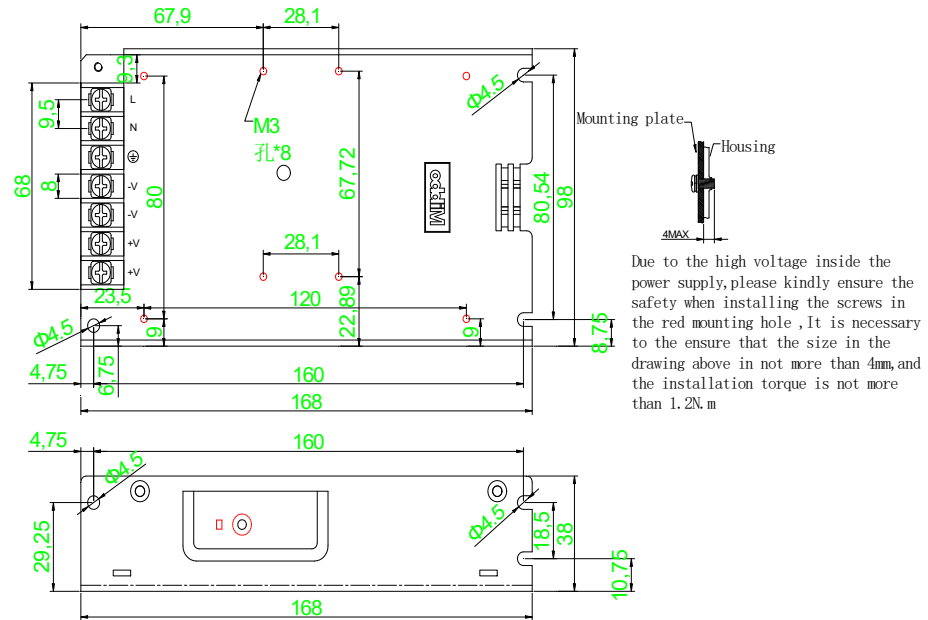


Specification

Input			
Voltage range	300-450VAC		
AC current	0.5A/380VAC		
Frequency range	50Hz		
Inrush current (max)	/		
Output			
DC voltage (V)	12V		24V
Efficiency	80%		85%
Voltage ADJ range	±10%		
Rated current(A)	8.3A		4.2A
Rated power (W)	99.6W		100.8W
Ripple & noise(max)note2	120mVP-P		120mVP-P
Voltage tolerance note3	±1%		±1%
Line regulation noite4	±0.5%		±0.5%
Load regulation note5	±0.5%		±0.5%
Setup, rise time	100ms,25ms/380Vac 200ms,40ms/300Vac 100ms,50ms/380Vac 200ms,40ms/300Vac (At full load)		
Hold up time	15ms/380Vac 5ms/300Vac 25ms/380Vac 15ms/300Vac (at full load)		
Status indicator	Green LED		
Protection			
Over load	110%-150% of the rated output power		
	Protection mode: shut down output. Recover when the power restart.		
Short circuit	Protection mode: shut down output. Recover when the power restart.		
Safety and EMC			
Withstand voltage	I/P-O/P:3.0KVAC 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	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;Level3 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:	

Environment		
Working temperature	-20 ~ +60°C (Refer to derating curve diagram)	
Storage temperature	-40 ~ +85°C	
Storage humidity	5-95%	
Vibration resistance	10-500Hz,2G 10Min/Circle 60min in each X,Y,Z direction	
Others		
MTBF	≥381.3 hrs,MIL-HBDK-217F(25°C)	
Installation	Screw installation	
Protection class	IP20	
Weight	0.45kg	
Dimension	168*98*38mm(Length* width* Height)	
Data	Description	Model
	MPH 99.6W 12V/8.3A	MPH-100W12V1S
	MPH 100.8W 24V/4.2A	MPH-100W24V1S

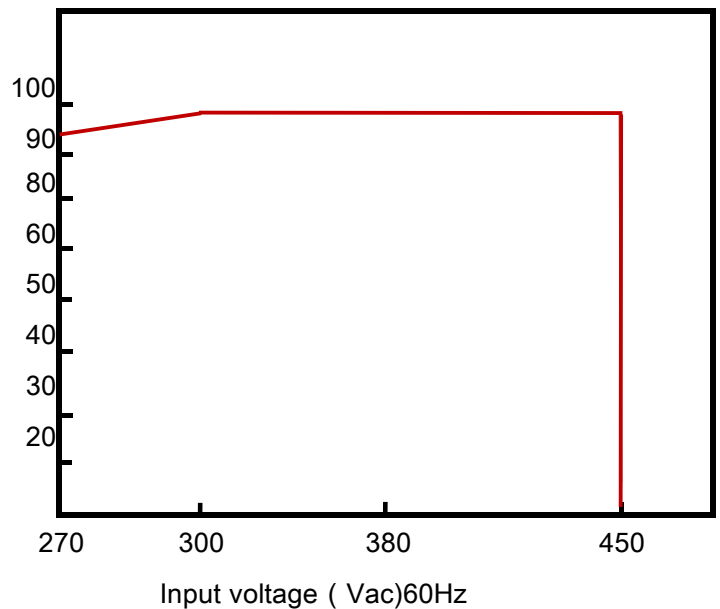
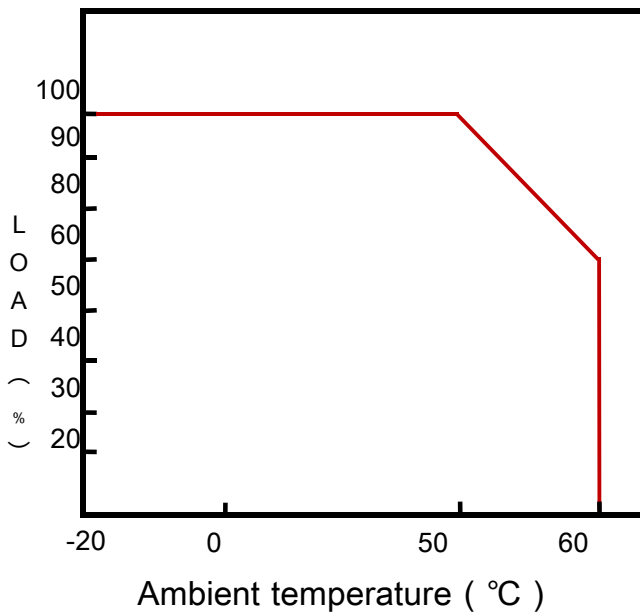
Installation instruction



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)

Derating curve



- Note**
- All parameters NOT specially mentioned are measured at 380VAC input, rated load and 25°C of ambient temperature.
 - Ripple & noise are measured at 20MHZ of bandwidth by using a 12"twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor."
 - Tolerance: includes set up tolerance, line regulation and load regulation.
 - Line regulation is measured from high voltage to low voltage at rated load
 - Load regulation is measured from 0% to 100% rated load.
 - 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.