

### Features

- Wide input voltage range: 90-264VAC
- Output protection: Overvoltage, overcurrent, short circuit, and overtemperature protection
- Input undervoltage protection function
- Natural cooling: 60W (110VAC) / 72W (220VAC)
- Isolation voltage: 3000VAC
- High reliability: Long-life electrolytic capacitors

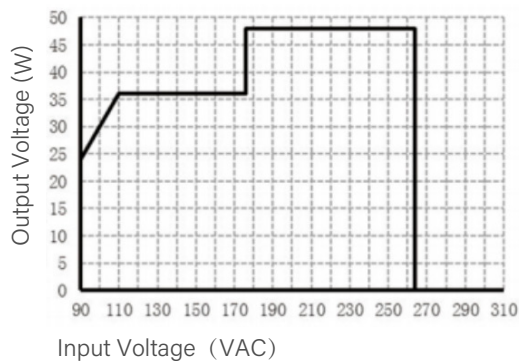
### Specifications

Model		MP-H72S12-FT	MP-H72S24-FT	MP-H72S48-FT	
Output	Output Voltage	12V	24V	48V	
	"Voltage Range (Natural Cooling)"	100-176VAC	0-5A	0-2.5A	0-1.25A
		176-264VAC	0-6A	0-3A	0-1.5A
	"Power (Natural Cooling)"	100-176VAC	60W	60W	60W
		176-264VAC	72W	72W	72W
	Efficiency (90VAC/246VAC,Max)	89%	89%	89%	
	Ripple (Max)	120mVp-p	240mVp-p	480mVp-p	
	Voltage Accuracy	±3%	±2%	±2%	
	Voltage Adjustment Range	9~15V	22~27V	46~51V	
	Voltage Overshoot	10%			
Line Regulation	±1%				
Load Regulation	±2%				
Start-up、 Rise、 Hold-up Time	1S、 20ms、 60ms/230VAC				
Input	Rated Voltage	100~240VAC			
	Additional Features	90~264VAC			
	Input Frequency	Rated Frequency: 50/60Hz, Operating Frequency Range: 47-63Hz			
	Standby Power	≤ 0.5W			
	Input Current	≤ 1.5A			
	Power Factor	≥ 0.5			
	Inrush Current (Max)	60A			
	Leakage Current(Max)	0.25mA			
Protection	Input Undervoltage Protection	60V-80V			
	Output Overcurrent Protection	110%-200% of rated current: Hiccup mode; automatically recovers when the current drops to 105% of rated output current.			
	Output Overvoltage Protection	110%-140% of rated output voltage: Output shut down; can be restarted to recover.			
	Output Short Circuit Protection	Hiccup mode: Automatically recovers after short circuit removal.			
	Overtemperature Protection	Hiccup mode: Automatically recovers after temperature drops.			

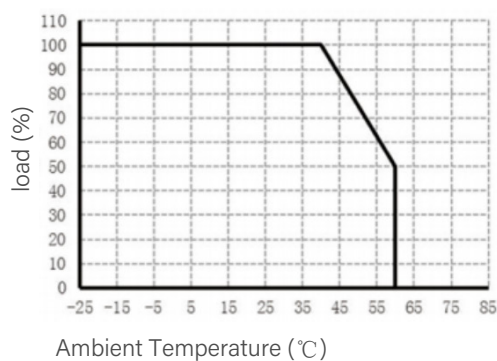
Environment	Operating Temperature/Humidity	"-30~60°C (Please refer to the "derating curve") 20~90%RH, non-condensing"
	Storage Temperature/Humidity	"-40~85°C, 10~95%RH"
	Temperature Coefficient	± 0.03%/ °C (0-50°C)
	Vibration	10-500Hz, 2G for 10 minutes per cycle, 60 minutes for each X, Y, and Z axis.
Safety EMC	Safety Standard	EN 62368-1
	EMC	CISPR32/EN55032 CLASS B,EN61000-4-2/3/4/6 CLASS B
	Withstand Voltage	I/P-0/P:3000VAC,I/P-FG:1500VAC,O/P-FG:500V;Test for one minute; leakage current is less than 5mA.
	Insulation Resistance	I/P-0/P,I/P-FG,0/P-FG:>100M,Ohm/500VDC
Mechanical Specifications	Dimensions(L*W*H)	101.6*50.8*18.5mm
	Weight	About 93g
Notes	<ol style="list-style-type: none"> <li>All parameters are measured under the following conditions: rated input voltage of 220V AC, rated load, ambient temperature of 25°C, and humidity of 70%.</li> <li>Accuracy: Includes setting error, voltage regulation, and load regulation.</li> <li>Ripple testing: Connect the power supply and load with a 30CM twisted pair. The load is connected with a 0.1μF ceramic capacitor and a 47μF capacitor, and measured at the load end using a 20MHz oscilloscope.</li> <li>Voltage regulation: Measured with the input voltage varying from low to high under rated load conditions.</li> <li>Load regulation: Measured with the output varying from 0% load to 100% load.</li> </ol>	

### Product Characteristic Curve

• Input Voltage - Output Power Curve



• Temperature - Load Derating Curve



### Mechanical Dimensions (mm)

