



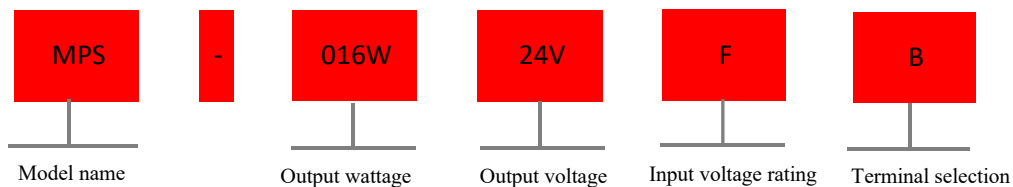
▲ Features

- Superior performance with small ripple
- Universal AC input/Full range
- 100% full load burn-in test
- Protections:short circuit/overload/over voltage
- LED indicator for power on
- Small size, standard front mounting accessories
- Cooling by free air convection
- Seismic protection
- Surge protection
- 3 years warranty

▲ Applications

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

▲ Model Encoding



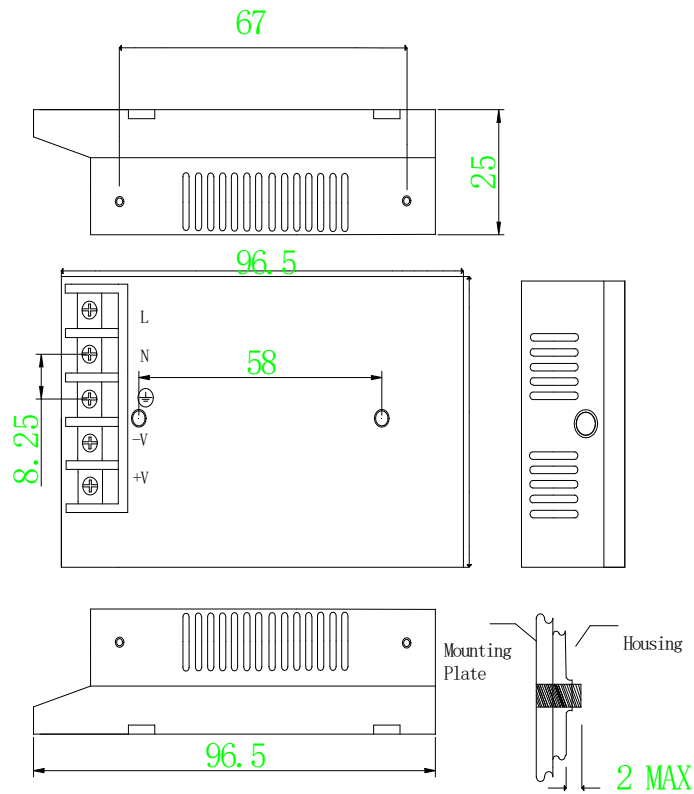


Specification

Input				
Voltage range	85-264VAC 120-370VDC			
AC current	0.35A/115VAC 0.25A/230VAC			
Frequency range	47-63Hz			
Inrush current (max)	30/115VAC 65A/230VAC			
Output				
DC voltage (V)	5V	12V	15V	24V
Efficiency	75%	75%	77%	82%
Voltage ADJ.range	±10%			
Rated Current(A)	3A	1.4A	1.1A	0.7A
Rated power(W)	15W	16.8W	16.5W	16.8W
Ripple & noise(max) Note.2	100mVp-p	100mVp-p	110mVp-p	110mVp-p
Voltage tolerance Note.3	±1%	±1%	±1%	±1%
Line regulation Note.4	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation Note.5	±1%	±1%	±0.5%	±0.5%
Setup, rise time	500ms 30ms/230VAC 1200ms 30ms/115VAC(at full load)			
Hold up time	50ms/230VAC 10ms/115VAC(at full load)			
Status indicator	Green LED			
Protection				
Overload	110%-150% rated output power			
	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Over voltage(V)	6-6.5V	14.8-15.8V	18.5-19.7V	27.6-32.4V
	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
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 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:	
Environmental				
Working temperature	- 25~+60°C (Refer to "Derating curve ")			
Storage temperature	- 40~+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	≥240K hrs,MIL-HDBK-217F(25°C)	
Installation	Back mounting, standard mounting accessories for front mounting	
Protection class	IP20	
Weight	About 0.1Kg	
Length*width*height	96.5*58*25mm	
Data	Details	Model name
	MPS 16.8W 1.4A/12V	MPS-016W12VFB
	MPS 16.5W 1.1A/15V	MPS-016W15VFB
	MPS 16.8W 0.7A/24V	MPS-016W24VFB
Attachment	Details	Model name
Rail pin	Mounting accessories	MPS-F110B

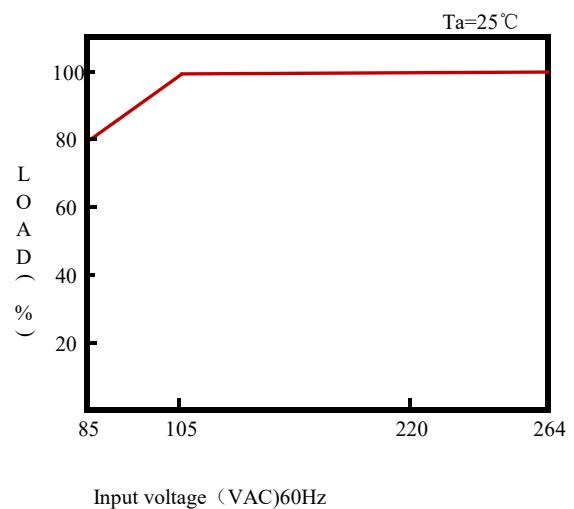
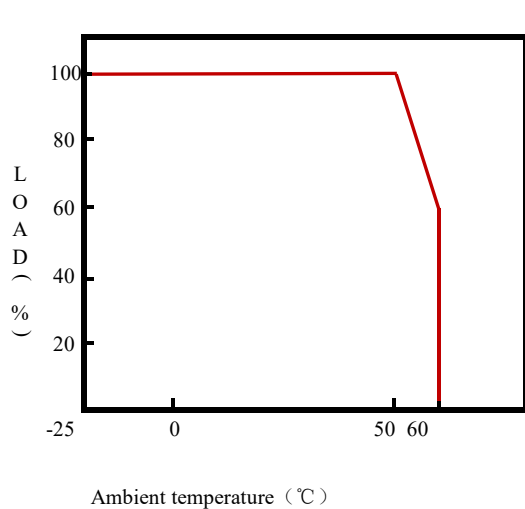
Installation Instruction



Installation instructions

Terminal Spec	U Type of the width of the terminal	Wire installation specification	Max. Torque
635 Terminal	6mm MAX	22-14AWG	0.8N.m(MAX)

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.