

MYD150-□ Series



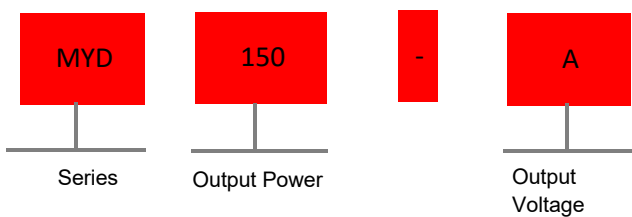
▲ Features

- Double isolation/Double LED indicator/Non-interference
- Protection: Over Voltage/Over load/Short circuit
- Power ON LED indicator
- TS 35 rail installation(with optional rail mounting bracket)
- Seismic protection
- “Three pivot point”M4 installation
- Terminal with protective cover
- Alluminum case
- Surge protection
- 2 years warranty

▲ Applications

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

▲ Model encoding



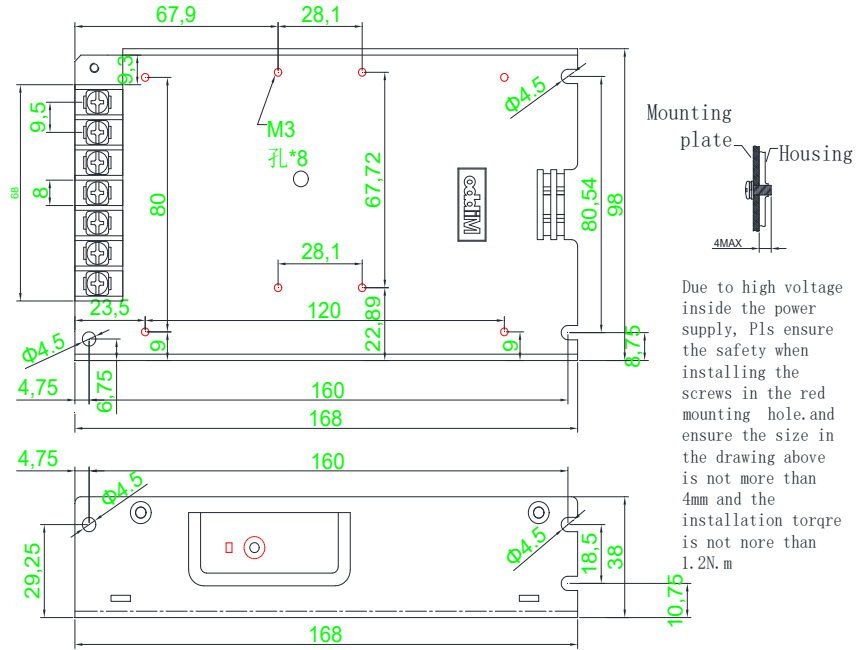


Specification

Input						
Voltage range	176-264VAC 250-370VDC					
AC current	1.0A/230VAC					
Frequency range	47-63Hz					
Inrush current (max)	44A/230VAC (Cold start)					
Output						
Chanel	Ch1	Ch2	Ch1	Ch2	Ch1	Ch2
DC voltage (V)	12V	5V	24V	5V	24V	12V
Efficiency	80%		83%		83%	
Voltage ADJ range	±10%					
Rated current(A)	10A	6A	5A	6A	5A	2.5A
Rated power (W)	150W		150W		150W	
Ripple & noise(max)note2	120mVp-p	80mVp-p	120mVp-p	80mVp-p	120mVp-p	120mVp-p
Voltage tolerance note3	±1%	±1%	±1%	±1%	±1%	±1%
Line regulation note4	±1%	±1%	±1%	±1%	±1%	±1%
Load regulation note5	±1%	±1%	±1%	±1%	±1%	±1%
Setup, rise time	1000ms 50ms/230VAC(Cold start)					
Hold up time	20ms/230VAC (at full load)					
Status indicator	2 Green LED indicators					
Protection						
Over load	110%-160% of the rated output power					
	Protection mode: Hiccup mode, recover automatically after fault condition is removed					
Over voltage (V)	13.8-17.5V	6.8-8.5V	27.6-32.4V	6.8-8.5V	27.6-32.4V	13.8-17.5V
	Protection mode: Hiccup mode, recover automatically after fault condition is removed					
Short circuit	Protection mode: Hiccup mode, recover 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					
Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70%RH					
Safety standard note6	Design refer to EN IEC 62368-1、GB4943.1					
EMC emission	Parameter	Standard			Test level	
	Conducted	EN 55032			Design refer to Class A	
	Radiated	EN 55032			Design refer to Class A	
	Voltage Flicker	EN 61000-3-3			Design refer to Class A	
EMC immunity	Harmonic Current	EN IEC 61000-3-2			Design refer to Class A	
	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	- 25~+60℃ (Refer to derating curve diagram)					
Storage temperature	- 40~+85℃					
Storage humidity	10-95% RH					
Vibration resistance	10-500Hz,2G 10Min/Circle 60min in each X,Y,Z direction					

Others		
MTBF	≥370K hrs,MIL-HDBK-217F(25℃)	
Installation	Screw in plate or install in TS35 rail with the accessory	
Protection class	IP20	
Weight	About 0.7Kg	
Dimension	168*98*38mm(Length* width* Height)	
Data	Description	Model
	MYD 150W 10A/12V 6A/5V	MYD150-A
	MYD 150W 5A/24V 6A/5V	MYD150-B
	MYD 150W 5A/24V 2.5A/12V	MYD150-C
Accessory	Description	Model
Rail Pin	TS35 Mounting accessory	MPS-F050C

Installation instruction

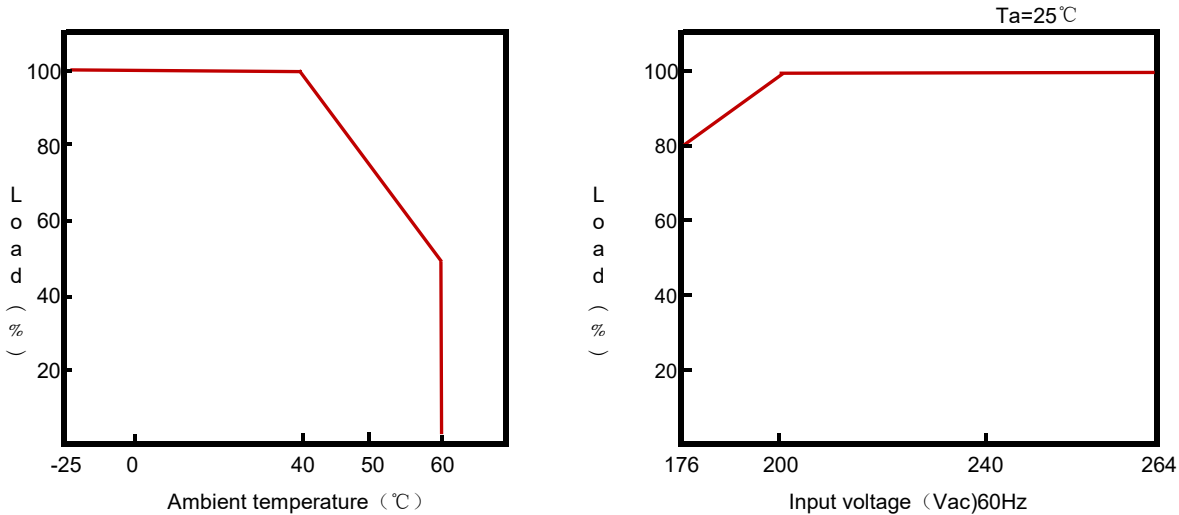


Due to high voltage inside the power supply, Pls ensure the safety when installing the screws in the red mounting hole, and ensure the size in the drawing above is not more than 4mm and the installation torque is not more than 1.2N.m

Terminal installation instruction

terminal type	U terminal size	terminal specification	Torque Max.
95 terminal	8mm MAX	22-12AWG	1.2N.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 voltage to high 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.
 - 7: The interval should be more than 1 second to discharge completely if the power frequently ON-OFF