MYD200-☐ Series

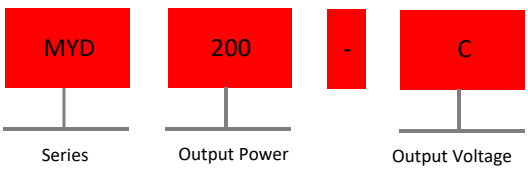
▲Features

Isolated output & GND for CH1,CH2
Protections:Short circuit/Overload/Over voltage
LED indicator for power ON for CH1 & CH2
Can be installed on DIN rail TS35 with optional mounting brack
Vibration resistance
3-M4 mounting holes for easy and stable installation
Terminal with protective cover
All aluminum case
Surge protection
2-year warranty

▲Applications

Industrial automation control sys
Intelligent control system
Electronic instruments and device
LED control
Household appliances

▲Model encoding



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Specification

Input								
Input voltage *1	85-264VAC 120-370VDC							
AC current	2.9A/115VAC 1.9A/230VAC							
Frequency range	47-63Hz							
Inrush current(max.)	22A/115VAC 44A/230VAC							
Output								
Model	MYD200-A		MYD200-B		MYD200-C		MYD200-I	
Output channel	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
DC voltage	12V	5V	24V	5V	12V	24	15	-15
Efficiency	85%	75%	85%	75%	85%	75%	85%	82%
Voltage ADJ. range	10.8-13.2V	4.5-5.5V	21.6-26.4V	4.5-5.5V	10.8-13.2V	21.6-26.4V	13.5-16.5	13.5-16.5
Rated current	12.5A	7A	6.25A	7A	12.5A	2.1A	8A	5.5A
Current range	0-12.5A	0-7.0A	0-6.25A	0-7.0A	0-12.5A	0-2.1A	0-8A	0-5.5A
Rated power	150W	35W	150W	35W	150W	50.4W	120W	82.5W
Ripple & noise(max.) *2	120mvp-p	80mvp-p	150mvp-p	80mvp-p	120mvp-p	120mvp-p	120mvp-p	120mvp-p
Voltage tolerance *3	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Line regulation *4	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Load regulation *5	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Start up, rise time	1000ms 50ms/230VAC(Cold start) 1200ms 50ms/115VAC(Cold start)							
Hold up time	30ms/230VAC 20ms/115VAC(@Full load)							
Status indicator	Green LED							
Protection								
Overload	110%-140% of rated output power							
	Protection mode: Hiccup mode, recover automatically after the fault condition is removed							
Over voltage	13.8V-16.2V	5.75-6.75V	27.6V-32.4V	5.75-6.75	13.8V-16.2V	27.6V-32.4V	17.25-20.25V	17.25-20.25V
	Protection mode: Hiccup mode, recover automatically after the fault condition is removed							
Safety & 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℃/70％RH							

	Parameter	**Standard**	**Test level**
EMC emission	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
	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	
Operating temperature	-25～+60℃（＞40℃ please refer to Derating Curve）
Storage temperature	-40～+85℃
Storage humidity	10-95％RH
Vibration	10-500Hz,2G 10min/1 cycle, 60 min along with each X,Y,Z axes

Others		
MTBF	≥370K hrs,MIL-HDBK-217F(25℃)	
Installation	Panel mounting or DIN rail TS35 installation with optional accessory	
Protection class	IP20	
Weight	~0.7Kg	
Dimension(L*W*H)	168*98*38mm	
Ordering	**Description**	**Model**
	MYD 185W 12.5A/12V 7A/5V	MYD200-A
	MYD 185W 6.25A/24V 7A/5V	MYD200-B
	MYD 200.4W 12.5A/12V 2.1A/24V	MYD200-C
	MYD 202.5W 8A/15V 5.5A/-15V	MYD200-I
Accessory	**Description**	**Model**

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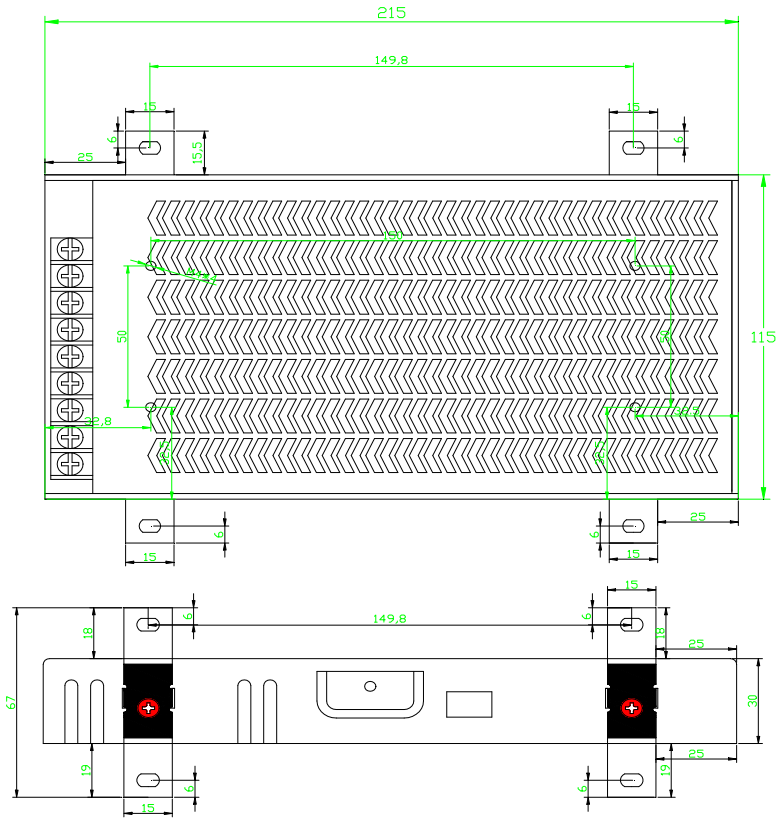
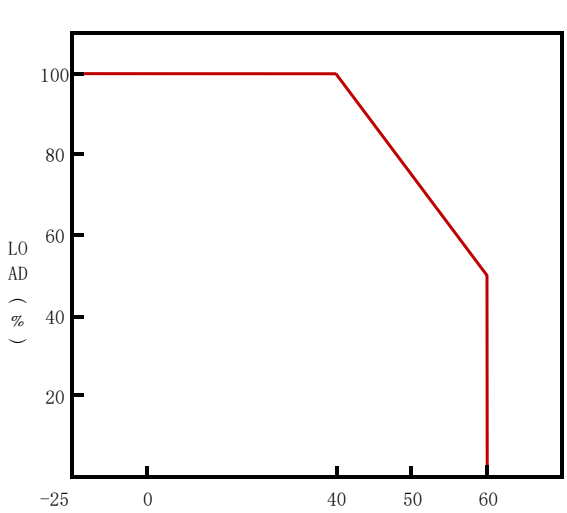
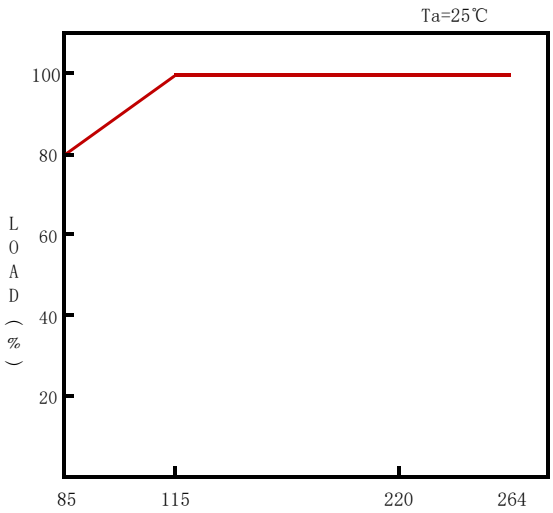
Installation instruction



Derating curve





Note:

1: All parameters are measured at 230VAC input,rated load and 25℃ of ambient temperature unless otherwise specified
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% of rated load
6: According to GB4943.1, the power supply is only used in area which altitude lower than 2000m and non-tropical climates
7: The time interval should be more than 1 sec. if need to turn the power ON/OFF frequently so that the power supply can fully discharge.