15 W dual-output DIN rail Power Supply

■ Features：

- International general full range of AC input
- The kinds of protection:Short circuit protection/overload/over voltage protection
- Natural air cooling
- Installation: DIN（35mm）rail or M3 screws
- LED power pilot lamp
- No-load power consumption: ＜0.5W
- 100% full load aging test

◆ Electrical properties and specifications

Model：YDE-AD150S-1212		**+V**	**-V**
Output	DC voltage	12V	12V
	Rated current	0.63A	0.63A
	Current range	0~0.63A	0~0.63A
	Rated power	15W	
	Ripple Noise(max) remark1	100mVp-p	100mVp-p
	Voltage accuracy Remark 2	±8%	±8%
	Line regulation	±2%	±2%
	Overload regulation	±5%	±5%
	Startup/rise time remark 3	3000ms, 27ms/115VAC 1000ms, 27ms/230VAC(when full load)	
	Protect time(Typ.)	12ms/115VAC 12ms/230VAC(when full load)	
Input	Voltage range	85~265VAC or 100~370VDC (Max. Input: 400VDC/1minute)	
	Frequency range	47~63Hz	
	Efficiency(Typ.)	74~80%	
	AC current(Typ.)	0.40A/85VAC 0.30A/115VAC 0.16A/230VAC 0.15A/265VAC	
	Surge current(Typ.)	65A/230VAC(cold start)	
	Leak current	＜2mA / 250VAC	
Protect	Overload	Rated output power 200%--300%	
		Protection: Constant current, load can be automatically restored after removing abnormal conditions.	
	Over voltage	14.5~17.2V	
		Protection: Off the output voltage, restart after recovery	
Environment	Working temperature	-20~+70℃（Please refer to the "deduction curve）	
	Working RH	20~90%RH, without condensation	
	Storage Temp. and RH	-40~+85℃, 10~95%RH	

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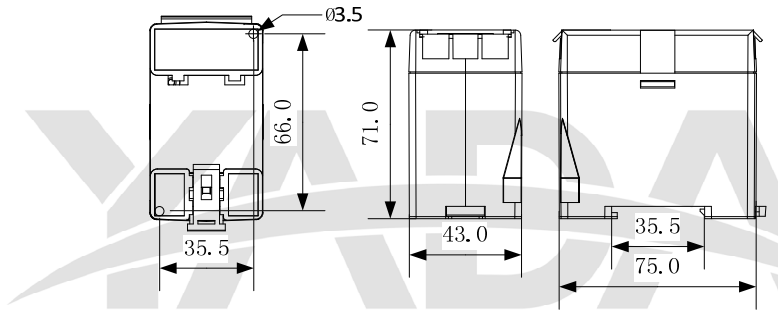
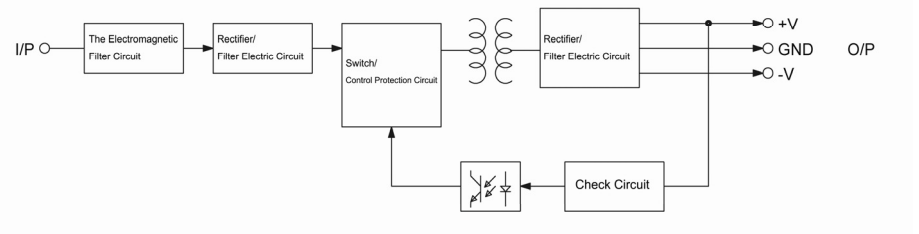
Safety and EMC remark 4	withstand voltage	I/P-O/P：3KVAC
	Insulation resistance	I/P-O/P：100M Ohms / 500VDC / 25℃ / 70%RH
	EMC emission	Comply with EN55022(CISPR22) Class B, EN61000-3-2,3
	EMC immunity	Comply with EN61000-4-2,3,4,5,6,8,11, A level of light industry standard
Others	MTBF	≥1508.9K hrs. MIL-HDBK-217F(25℃)
	Dimension	75±0.5mm×43±0.5mm×71±0.5mm
Remarks	1. The way of measure ripple and noise: Use a 12 "twisted pair, and at the same time terminal to 0.1 uF and 47 uF capacitance in parallel, the measurement under 20 MHZ bandwidth. 2. Accuracy: Is + V, -V plus the same load measured data. 3. The start time is measured during cold start, frequent power on & off may lead to the startup time longer. 4. Power is seen as part of the system, should be combined with terminal equipment for MEC test.	

◆ External dimensions (Units: mm, Tolerance: ±0.5)



◆ block diagram



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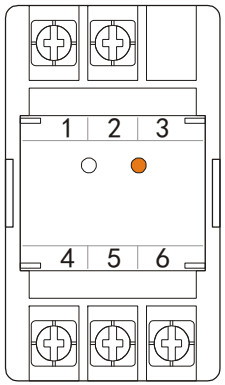
◆ Connecting pin definition



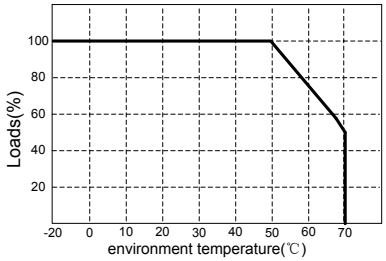
Pin number	Pin function
1	Input N
2	Input L
3	No function
4	Output +V
5	Com
6	Output -V

◆ Output application

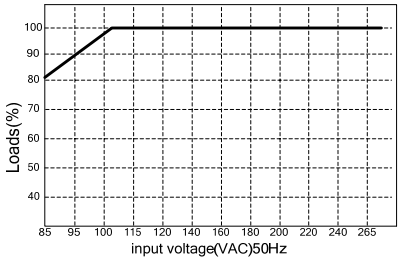
Output	Application 1		Application 2		Application 3	
+V	+12V	≤15W	+12V	≤10W	+24V	≤15W
-V	-12V	(Total power)	-V（NC）			(Total power)

Note: output 24V application (i.e. -12V end is GND, +12V end is +V COM is not connected).

◆ Loads curve of deduction



◆ Input voltage VS the output loads curve of deduction



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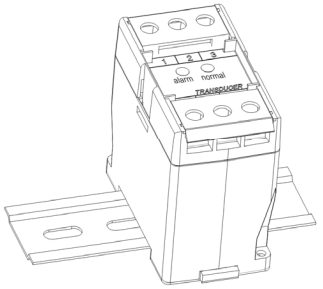
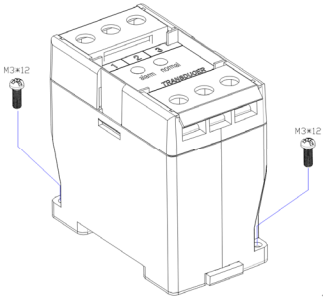
◆ Installation method

（Standard DIN rail mounting）



(Installation method 1: DIN rail)



(Installation method 2: Screw fixation)

Note: The above pictures are for reference only, the products are subject to the actual product,

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