

YSD150 SERIES



Input:90-264VAC 50/60Hz
Output Voltage: 12V-48V DC
Rated Power :150W max

Features

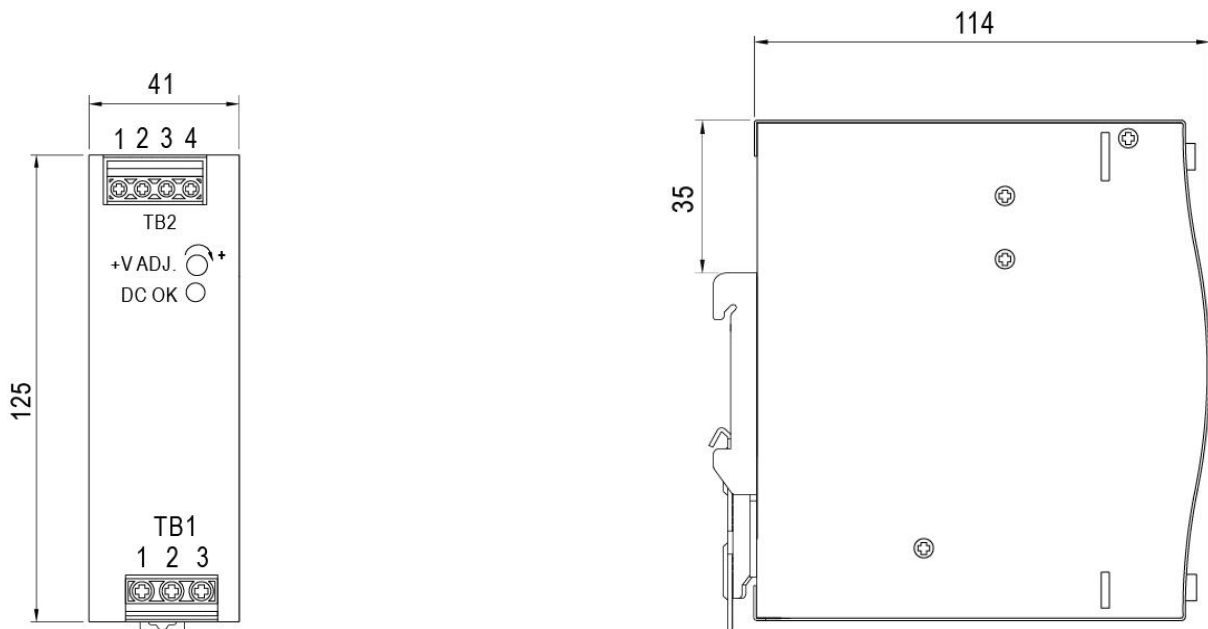
1. International universal full range of exchange input
2. Protection type: over load/over voltage/over temperature
3. DC output voltage adjustable
4. Cooling by free air convection
5. Installed on DIN rail TS-35 / 7.5 or 15
6. UL 508 (Industrial Control Equipment) certified
7. EN61000-6-2(EN50082-2) Industrial immunity
8. 100% full load burn-in test
9. Three years warranty

Application

Industrial Control Systems



■ Dimensions and Installation

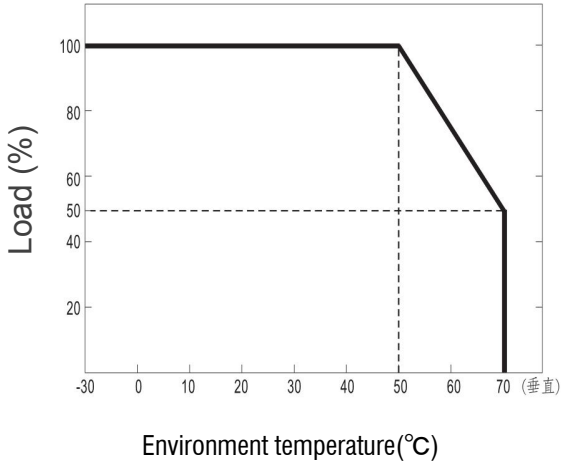


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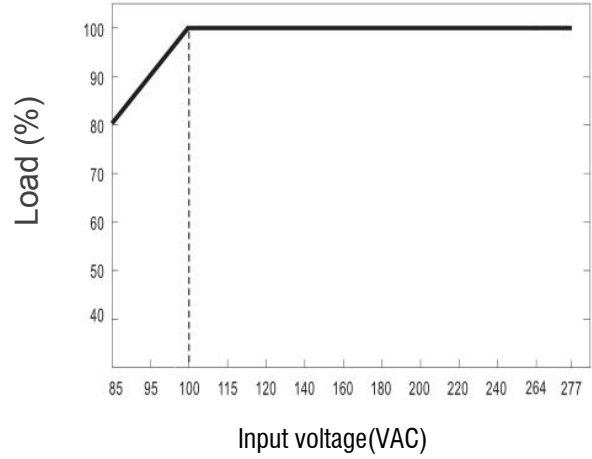
MODEL DETAIL SPEC.		YSD150-12012500	YSD150-2406250	YSD150-4803125		
INPUT	Input Voltage:	85-264VAC				
	Input Frequency:	50/60Hz				
	Inrush Current:	50Amps max. at 230VAC/50Hz,full load				
	AC Current:	2.25A/115VAC 1.3A/230VAC				
	Leakage Current:	< 0.25mA/240VAC				
	Efficiency:	87%	88%	89%		
OUTPUT	DC Voltage:	12V	24V	48V		
	Rated Current:	12.5A	6.25A	3.125A		
	Rated Power:	150W	150W	150W		
	Voltage Tolerance:	±5%	±5%	±5%		
	Ripple and Noise:	120mVp-p	240mVp-p	480mVp-p		
	Line Regulation:	±5%	±5%	±5%		
	Load Regulation:	±3%	±3%	±3%		
	Setup, Rise, Hold Up time:	3s/40ms/12ms at full load				
ENVIRONMENTAL	Operating Temperature:	-20°C to 60°C, (Refer to "Derating Curve")				
	Storage Temp:	-40°C to 85°C				
	Storage Humidity:	10 ~ 95% RH				
	Working Humidity:	20% ~ 90% RH Non-Condensing				
PROTECTION	Over Load:	110%-160% rated output power				
		Protection type: Hiccup Mode- recovers automatically after fault condition is removed				
	Over Voltage:	12V:14 ~ 17V 24V:29 ~ 33V 48V:56 ~ 65V				
		Protection type : Shut down o/p voltage, re-power on to recover				
	Short Circuit:	Protection to Zero Voltage				
Over Temperature:	Shut down o/p voltage, re-power on to recover					
SAFETY & EMC	Safety Regulations:	UL508, TUV EN62368-1, EAC TP TC 004,BSMI CNS14336-1				
	Withstand Voltage:	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25 / 70% RH				
	EMC Emission:	EN55032,EN61204-3,EN61000-3-2,EN61000-6-2, EAC TP TC 020				
OTHER	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient				
	Size:	41*125*114mm				
	Weight:	600g / pcs				

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Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

