YINGJIAO®

Enclosed Power Supplies

YSI120 SERIES



Input: 90-264V AC 50/60Hz
Output Voltage: 5V-24V DC
Rated Power: 120W max

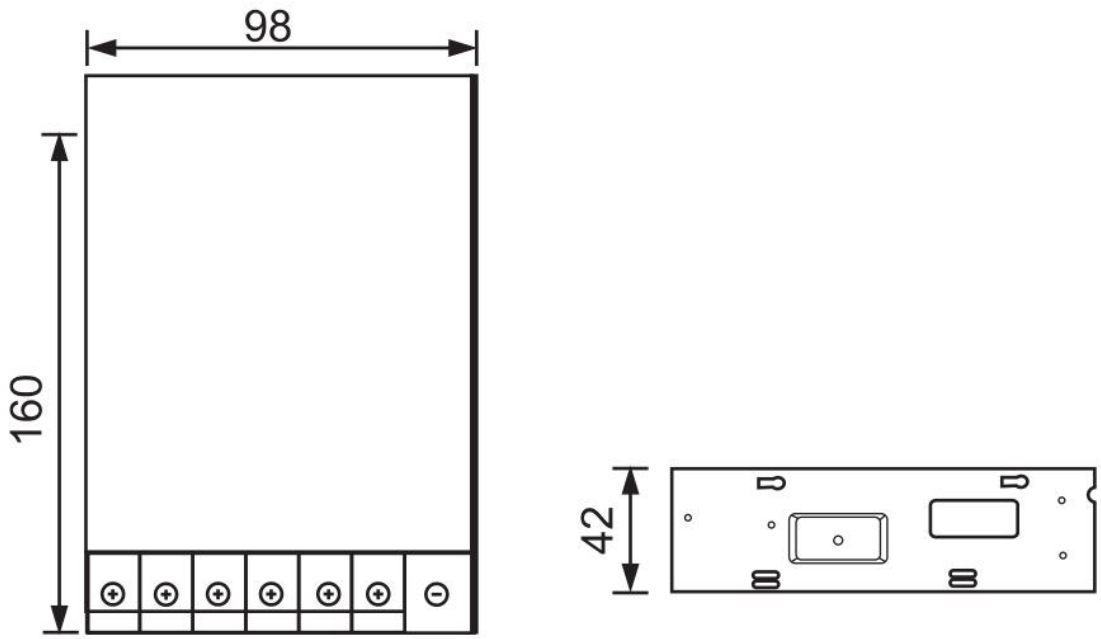
Features

Univeral AC input/ Full range
Energy efficiency level VI
Leakage Current: < 0.25mA
Extremely low leakage current
Protection:Over load/Over voltage/Short circuit
Withstand voltage : 3KV
Life Warranty: 3 years

Application

Industrial automation control
Communication equipment
Led Lighting
Industrial control equipment

Dimensions and Installation



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MODEL DETAIL SPEC.		YSI120-05010000	YSI120-12010000	YSI120-24005000
INPUT	Input Voltage:	90-264VAC		
	Input Frequency:	50/60Hz		
	Inrush Current:	Cold start 45A. at 240VAC/50Hz,full load		
	AC Current:	0.2A/115VAC 0.21A/230VAC		
	Leakage Current:	< 0.25mA/240VAC		
	Efficiency:	74%	80%	85%
OUTPUT	DC Voltage:	5V	12V	24V
	Rated Current:	10A	10A	5A
	Rated Power:	150W	120W	120W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	75mVp-p	120mVp-p	200mVp-p
	Line Regulation:	±3%		
	Load Regulation:	±5%	±5%	±5%
	Setup, Rise, Hold Up time:	500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load		
ENVIRONMENTAL	Operating Temperature:	-20 ~ +60℃ (Refer to "Derating Curve")		
	Storage Temp:	-40℃ ~ 85℃		
	Storage Humidity:	10 ~ 95% RH		
	Working Humidity:	20 ~ 95% RH non-condensing		
PROTECTION	Over Load:	Above 105% rated output power		
		Protection type: Hiccup mode, recovers automatically after fault condition is removed		
	Over Voltage:	5V:5.75~ 6.75V 12V:13.8 ~ 16.2V 15V:17.25 ~ 20.25V 24V:27.6 ~ 32.4V		
		Protection type: Shut down o/p voltage, re-power on to recover		
	Over Temperature:	Shut down o/p voltage, re-power on to recover		
SAFETY & EMC	Safety Regulations:	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368.1 approved		
	Withstand Voltage:	I/P-O/P:3KV AC I/P-FG:2KV AC O/P-FG:0.5KV AC		
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH		
	EMC Emission:	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B		
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11		
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25℃)		
	Size:	160*98*42mm		
	Weight:	410g / pcs		
	Packaging:	20PCS/CTN		

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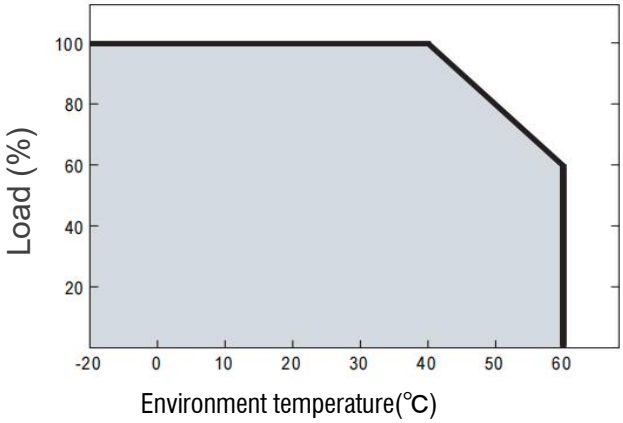
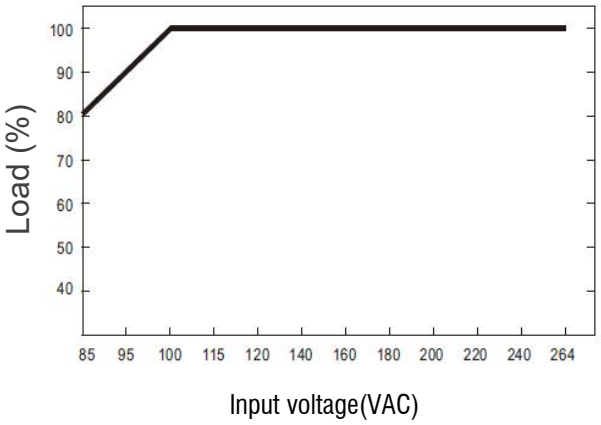
Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

