YINGJIAO®

Enclosed Power Supplies

YSI20 SERIES



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

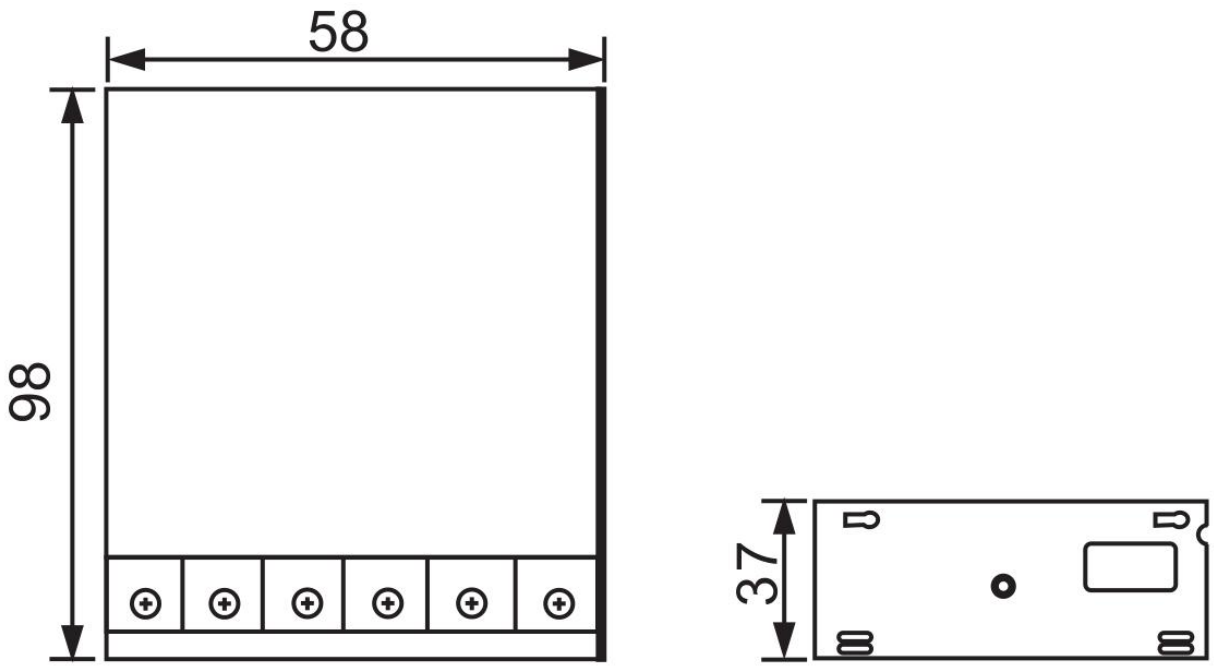
Features

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.		YSI20-0503000	YSI20-1202000	YSI20-1501600	YSI20-2401000	YSI20-3600670	YSI20-4800500
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:	75%	79%	79%	79%	80%	81%
OUTPUT	DC Voltage:	5V	12V	15V	24V	36V	48V
	Rated Current:	3A	2A	1.6A	1A	0.67A	0.5A
	Rated Power:	15W	24W	24W	24W	24W	24W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	75mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p	280mVp-p
	Line Regulation:	±3%					
	Load Regulation:	±5%	±5%	±5%	±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:	115%-135%Vout					
		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:	98*58*37mm					
	Weight:	1380g / pcs					
	Packaging:	50PCS/CTN					

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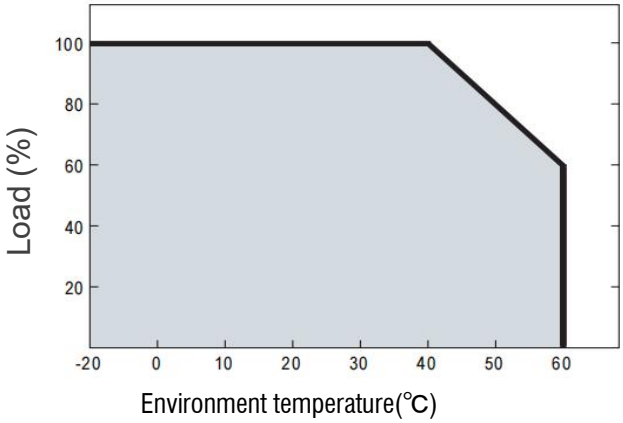
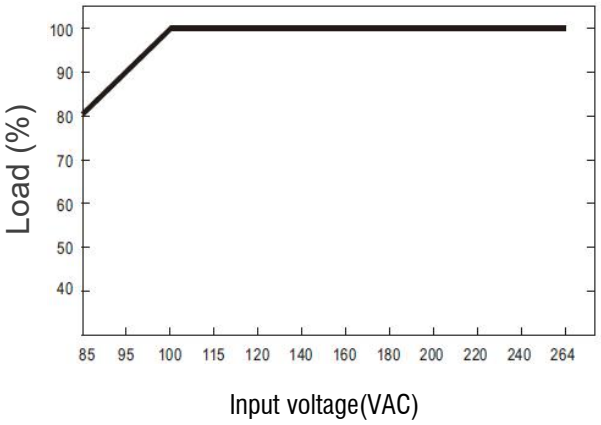
Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

