

YSD100S SERIES 100W



SAURÍ's ultra-slim plastic-cased power supply family

Features

- Input Voltage: 90-264VAC / 127-370VDC
- Available DC Output Voltages: 5V, 12V, 15V, 24V and 48V
- Adjustable Output Voltage
- Protection against: short circuit, overload and overvoltage
- DIN Rail mountable on TS-35/7.5 or 15
- CE, TÜV Certification and cURs Approval
- RoHS compliant



Technical Data

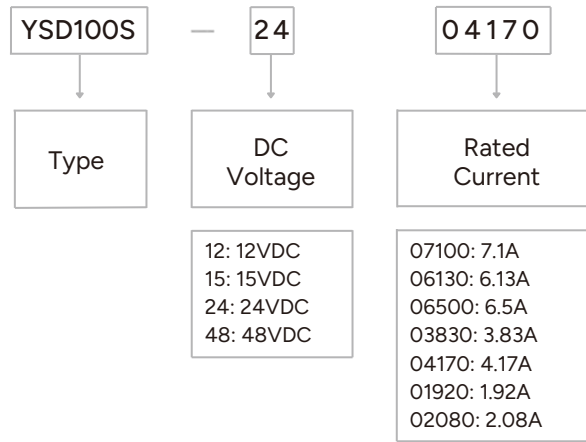
Model N°	-1207100	-1506130	-1506500	-2403830	-2404170	-4801920	-4802080									
Input	Voltage Range								90~264VAC, 127~370VDC							
	Frequency range								47-63Hz							
	Efficiency		88%		89%		89%		90%		90%		90%		90%	
	AC Current								3A (115VAC) / 1.6A (230VAC)							
	Inrush Current (max.)								COLD START 35A (115VAC) / 70A (230VAC)							
Output	DC Voltage		12V		15V		15V		24V		24V		48V		48V	
	Rated Current		7.1A		6.13A		6.5A		3.83A		4.17A		1.92A		2.08A	
	Rated Power		85.2W		92W		97.5W		92W		100W		92.2W		100W	
	Voltage Adj. Range		14.2-16.2V		18.8-22.5V		18.8-22.5V		30-36V		30-36V		56.5-64.8V		56.5-64.8V	

Characteristics

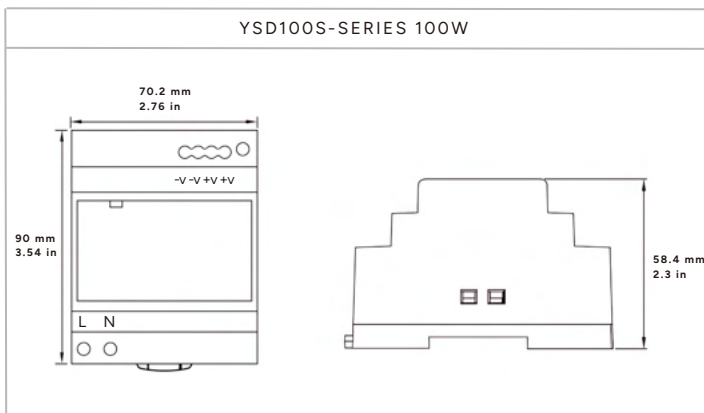
Output	Ripple & Noise	120mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	240mVp-p	240mVp-p	
	Voltage Tolerance	±2.0%							
	Line Regulation	±1.0%							
	Load Regulation	±1.0%							
	Setup, Rise Time	500ms, 50ms (230VAC) at full load							
	Hold Up Time (Typ.)	500ms, 50ms (115VAC) at full load							
Over Load	30ms (230VAC) / 30ms (115VAC)								
	102 ~ 110% rated output power; 105 ~ 150% rated output power								
	Hiccup mode when output voltage <50%, recovers automatically after fault condition is removed								
Over Voltage	Constant current limiting, recovers automatically after fault condition is removed								
	12 ~ 13V	15 ~ 17V	13.8 ~ 18V	24 ~ 25.5V	21.6 ~ 29V	48 ~ 48.7V	43.2 ~ 55.2V		
Working Temp.	Protection type: Shut down o/p voltage, re-power on to recover								
Working Humidity	-20 ~ +70°C								
Storage Temp.	20 ~ 90% RH non-condensing								
Storage Humidity	-40 ~ +85°C								
Temp. Coefficient	10 ~ 95% RH non-condensing								
	±0.03% / °C (0 ~ 50°C) RH non-condensing								

Vibration	10 ~ 500 Hz, 2G, 10 min/cycle, 60 min on each axis (X, Y, Z). Compliant with IEC60068-2-6
Operating altitude	2000 meters
Over Voltage Category	III; According to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters
Safety Standards	UL62368-1, BS EN/EN62368-1
Withstand voltage	I/P-O/P:3KVAC
Isolation Resistance	I/P-O/P:100M Ohms/500VDC/25°C/70% RH
EMC Emission	BS EN/EN 55032 class B, BS EN/EN IEC 61000-3-2,3
EMC Immunity	BS EN/EN61000-4-2,3,4,5,6,8,11
Weight	270g

Power Supply Select Code



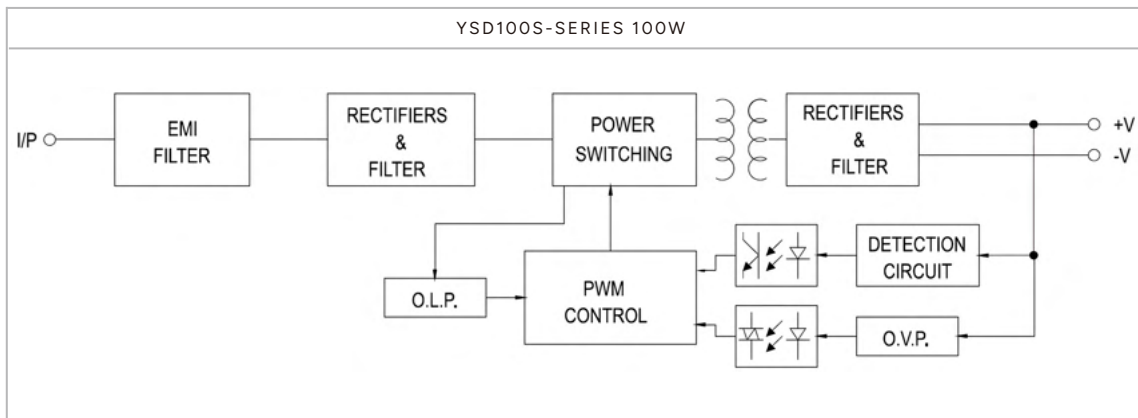
Dimensions



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Block Diagram



Characteristics Curves

