

SW1000-PS240



- 240W industrial din rail power supply
- This power supply width is 40.5mm, suitable for installation on TS-35/or TS-35/15 rails, 90Vac to 260Vac full voltage range AC input, 24V, 48V DC output, comply with EN61000-3-2 standard.
- Efficiency is as high as 93% or more. Under air circulation conditions, the entire series can work at an ambient temperature of -40°C to +70°C, perfect solutions for industrial area power supply applications



The actual appearance is subject to the final configuration.

Specifications

MODEL	SW1000-PS240		
Input Specifications	Input Voltage Range	90 - 264Vac	
	Input Frequency(Hz)	47Hz ~ 63Hz	
	Input Current	<3.5A/110Vac	<2A/220Vac
	Inrush Current	20A / 115Vac 35A / 220Vac - Cool Condition	
	Efficiency(%)	≥ 93% LEVEL VI - 230Vac full load	
	Lightning strike	6KVA	
	Power Factor(Active PFC)	0.99/100Vac - Full load	
Output Specifications	Output Voltage	DC24V	DC48V
	Output Current Range	0~10A	0~5A
	Voltage Accuracy	± 1.0%	± 1.0%
	Voltage Level Adjustment Range	24~28V	48~55V
	Output Power	240W	240W
	Line Regulation	± 1.0%	± 1.0%
	Load regulation	± 2%	± 2%
	Ripple & Noise	<300mV	<200mV
	Efficiency	≥93% typ.	≥93% typ.
	Minimum load during test	10% of full load power	10% of full load power
	Test conditions	20MHz bandwidth, a 10uF electrolytic capacitor and a 0.1uF polyester capacitor are tested in parallel at the load end.	

Safety Requirements	Type	Isolation Strength*	Isolation Resistance**
	Input----Output	3.00KVac 5ma	≥100MΩ
	Input----Ground	2.0KVac 5ma	≥100MΩ
	Output----Ground	0.5KVac 5ma	≥100MΩ
	Remark	*indicates the withstand voltage Rating(V); Allowable maximum leakage current(mA) **Test conditions:The test voltage was 500VDC, 90%RH	
	Leakage Current	264Vac - <3.5Ma	
Operational Environment	Operating Temperature	-40°C~70°C (Please refer to "Derating Curve")	
	Storage Temperature	-40°C~85°C	
	Working Humidity	20%RH~90%RH	
	Storage Humidity	10%RH~95%RH	
	Heat-dissipating Method	Natural cool	
	Atmospheric Pressure	/	
	Altitude	Under 2000M	
Physical Characteristics	Material	Aluminum alloy shell	
	IP Grade	IP30 aluminum case	
	Dimensions	60(L) x 138(W) x 150(H)mm	
	Net Weight	660g ±10g	
Regulation	EMC	FCC, CE, RoHS, EN50155:2017 class A, EMI: FCC Part 15. CISPR(EN55032) class A, EMS:EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-6(Common mode conduction), IEC6100-6-2, NEMA TS-2	

Ordering Information

Features

Input: 90-260VAC

Output: 24V, 48V(optional)

Output max power: 240W

Universal input voltage

Short-circuit/overload, over-voltage/over-temperature protection

High reliability, high efficiency, LEVEL VI

Natural cool

100% full load aging test

UL508 (Industrial Control Equipment)

N61000-6-2 (EN50082-2) industrial immunity

AC input lightning protection 6KVA

MTBF200,000 hours

Packing List

Default Items	Qty
SW1000-PS240 24V OR 48V	1