PSC-480 Series

Control of the second s	Input: 85-264VAC 47/63Hz Output Voltage: 24 & 48 V D Rated Power: 480W max. Rated Power: 480W max. UL 60950-1 E521519 CB IM IM E205412	 suggest to use redundancy modules. Built-in active PFC,PF>0.95 High efficiency up to 94% Built-in current sharing function Built-in current limiting circuit Output protections: OVP/OLP/SCP/OTP Wide operating ambient temp (-25°C~70°C) 150% (720W) peak load capacity 	 Easy Fuse Tripping due to High Overload Current Built-in DC OK relay contact Can be installed on 35 mm DIN rail 100% full load burn-in test PCB with conformal coating Suitable for critical applications Ultra-slim,70mm width Free air convection 3 years warranty
CATALOG NUMBER		PSC-48024	PSC-48048
INPUT	Voltage Range Frequency Range Power Factor (typical) AC Current (max.) Inrush Current (Typical) Leakage Current Efficiency (Typical)	85Vac~264Vac, 120Vdc-375Vdc 47Hz~63Hz 0.99/110Vac 0.95/230Vac <7.0 A/100Vac <3.5A/230Vac <20A/110Vac <40A/230Vac Cold start Input—output: ≤0.25mA Input—PG: ≤3.5mA 93.8%	93.5%
OUTPUT	DC Output Rated Current Current Range Note 1 Ripple and Noise 0~70°C Note 2 -25°C~0 Voltage ADJ. Range Voltage Accuracy Line Regulation Load Regulation Set-up Time Hold up Time Temperature Coefficient Overshoot	24V 20A $0 \sim 20A$ $\leq 240mV$ $\leq 480mV$ $24 \sim 28V$ $\pm 3.0\%$ $\pm 0.5\%$ $\pm 1.0\%$ < 3S@230Vac $\geq 20mS(230Vac input, Full load)$ $\pm 0.03\%/°C$ < 5.0%	8V 10A 0~10A ≤480mV ≤480mV 48~56V
ENVIRONMENTAL	Operating amb. Temp. & Hum. Storage Temp. & Hum.	-25°C~70°C; 20%~90%RH No condensing -40°C~85°C; 5%~95%RH No condensing	
PROTECTIONS	Over voltage Over Load Over temperature Short Circuit	28.8~33V, constant voltage, Auto recovery 110%~150% of rated current, Constant current limiting for s then PS stop working for 7S,after 7S, if the load <=rated cur 115 \pm 5°C, detect on temperature controller; shut down 0/P, a Long-term mode, auto recovery	rrent, PS will work normally, auto recovery
SAFETY & EMC Note 3	Safety Standards Withstand Voltage Isolation Resistance EMC Emission Harmonic Current EMC Immunity	UL508, UL60950-1, EN62368-1 Primary-Secondary: 3.0KVac/10mA. Primary-PG: 2.5KVac/10 10M ohms Compliance to EN55032 Class B Compliance to EN61000-3-2, CLASS A Compliance to EN61000-4-2,3,4,5,6,11;	DmA. Secondary-PG:0.5KVac/20mA.
OTHER	MTBF (MIL-HDBK-217F) Dimension (L*W*H) Packing Cooling method	More than 300,000Hrs (25°C, Full load) 70 x 124 x 127mm 10pcs/CTN, 13Kgs/CTN, 0.04cbm Cooling by free air convection	
NOTES	2. Measured at 20MHz of bandwidth by using a 3. The power supply is considered as a component	measured at rated input, rated load and 25°C of ambient temp 12" twisted pair-wire terminated with a 0.1 uF & 10uF paralle ent which will be installed into a final equipment. The final equ perform these EMC tests, please refer to "EMI testing of compo	el capacitor. uipment must be re-confirmed that it still

PSC-480 Series

Mechanical Specification

1.AC terminal blocks installation information

Terminal No.	Function	Specifications	
1	PG	6.35mm, 3pin	
2	Ν	screw terminal blocks	
3	L	SCIEW LEITIINAI DIOCKS	

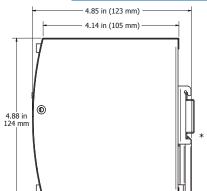
2.DC terminal blocks installation information

Terminal No.		Function	Specifications			
	1	DC				
	2	OK	6.35mm, 3pin			
	3-5	+V	screw terminal blocks			
	6-8 -V		Screw terminal blocks			

AC/DC Terminal

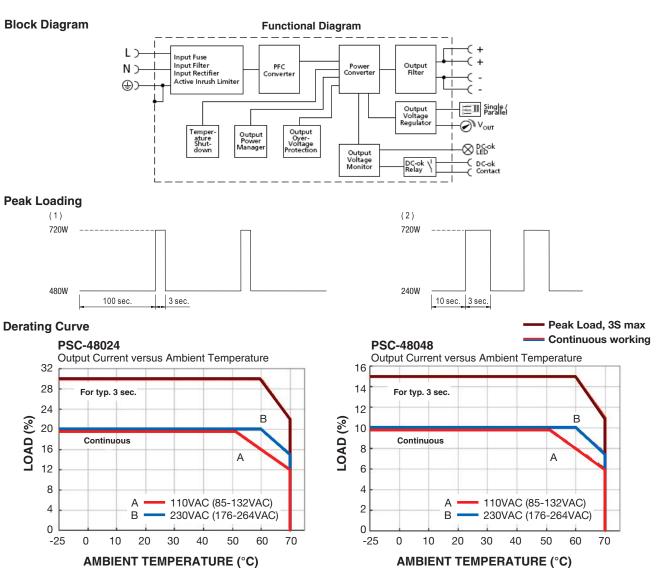
Туре	Screw terminal blocks		
Solid Wire	0.5-6 mm ²		
Strand Wire	0.5-4 mm ²		
Wire Spec	AWG20-10 (PG wire >18AWG)		
Max Wire Diameter	2.8mm		
Recommended stripping length	7mm		
Screwdriver	3.5mm Straight or Cross Screwdriver		
Recommended Torque	1NM		

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* DIN Rail sold separately.

Additional Functions			
150% of rated current			
support			
V On: when output voltage is up to			
90% of rated output voltage			
V Off: when output voltage is down			
to 80% of rated output voltage			
Max 30V/1A or 60V/0.3A or			
30Vac/0.3A Resistive load			



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