

SDR-480

480W AC-DC Industrial DIN Rail Power Supply

Features

- High-efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active PFC function, PF>0.94
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed by DIN rail TS-35/7.5 or 15
- UL 508 (industrial control equipment) approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test



	SPECIFICATION	16920 (SDR-480-48)
Output	DC Voltage	10A
	Rated Current	0 - 10A
	Current Range	480W
	Rated Power	15A
	Peak Current	7.5A
	Peak Power *Note 6	720W (3sec.)
	Ripple & Noise (Max.) *Note 2	120mVp-p
	Voltage Adj. Range	48 - 55V
	Voltage Tolerance *Note 3	±1.0%
	Line Regulation	±0.5%
	Load Regulation	±1.0%
	Setup, Rise Time	1500ms, 150ms/230VAC 3000ms, 150ms/115VAC at full load
	Hold Up Time (Typ.)	14ms/230VAC at full load
Input	Voltage Range	90 - 264VAC 127 - 370VDC
	Frequency Range	47 - 63Hz
	Power Factor (Typ.)	94%
	Efficiency (Typ.) *Note 8	0.94/230VAC 0.99/115VAC at full load
	Ac Current (Typ.)	5A/115VAC 2.5A/230VAC
	Inrush Current (Typ.)	40A/115VAC 80A/230VAC
	Leakage Current	<0.8mA / 240VAC
Protection	Overload	110 - 150%
	Over Voltage	56 - 65V
	Over Temperature	105°C ± 5°C (TSW : detect on heatsink of power switch)
Function	DC OK Relay Contact Ratings (Max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load
Environmental	Working Temp. *Note 5	-25 - +70°C (Refer to "Derating Curve")
	Working Humidity	20 - 95% RH non-condensing
	Storage Temp., Humidity	-40 - +85°C, 10 - 95% RH
	Temp. Coefficient	±0.03%/°C (0 - 50°C)
	Vibration	Component: 10 - 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6

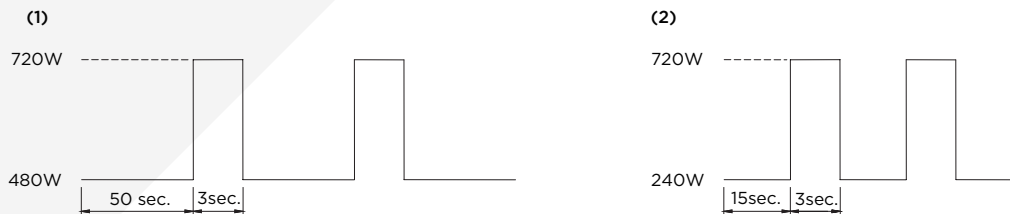
* This product is subject to regional availability. Please check with your local Extreme Networks representative for availability by country.

Safety & EMC	Safety Standards	UI508, TUV EN60950-1 approved;(meet EN60204-1)
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms /500VD /25°C/ 0% RH
	EMC Emission	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B, EN61000-3-2,-3
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, SEMI F47, GL approved
Others	MTBF	112.9K hrs min. MIL-HDBK-217F (25°C)
	Dimension	85.5*125.2*128.5mm (W*H*D)
	Packing	1.6Kg; 8pcs/13.8Kg/0.9CUFT
Note	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple and noise are measured at 20MHz of bandwidth by using 12" twisted pair-wire terminated with a 0.1uf and 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation, and load regulation The power supply is considered a component which will be installed into a system. The system must be validated to ensure conformance to directives. Installation clearances: 40mm on top, 20 mm on the bottom, 5 mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15 mm clearance is recommended. 3 seconds peak power max and the average output power should not exceed the rate power. Derating may be needed under low input voltage. Please check the derating curve for more details. 	

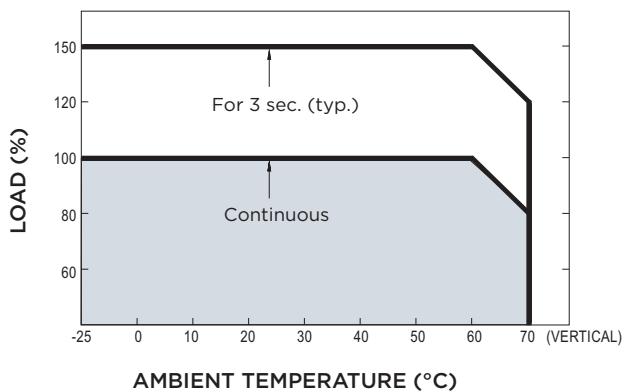
Ordering Information

PART NUMBER	NAME	DESCRIPTION
16920	IS AC-DC PS 480W	IS AC-DC Power Supply 480W Output DIN Rail -25 - 70C

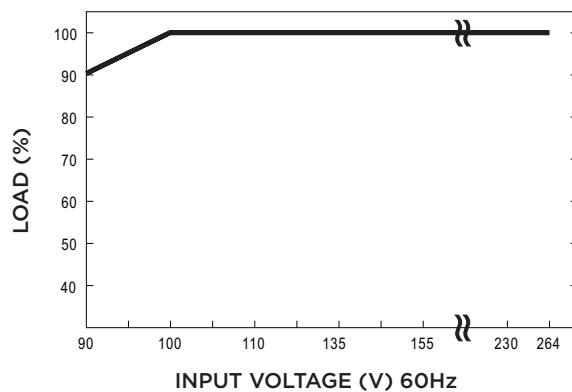
Peak Loading



Derating Curve



Output derating VS input voltage



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