

# SDR-240

## 240W 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>0.93
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Cooling by free air convection
- 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	16807 (SDR-240-48)
<b>Output</b>	DC Voltage	48V
	Rated Current	5A
	Current Range	0 - 5A
	Rated Power	240W
	Peak Current	7.5A
	Peak Power *Note 6	360W (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, 60ms/230VAC 3000ms, 60ms/115VAC at full load
Hold Up Time (Typ.)	20ms/230VAC 20ms/115VAC at full load	
<b>Input</b>	Voltage Range	88 - 264VAC 124 - 370VDC
	Frequency Range	47 - 63Hz
	Power Factor (Typ.)	0.93/230VAC 0.99/115VAC at full load
	Efficiency (Typ.) *Note 8	94%
	Ac Current (Typ.)	2.6A/115VAC 1.3A/230VAC
	Inrush Current (Typ.)	33A/115VAC 65A/230VAC
	Leakage Current	<1mA/240VAC
<b>Protection</b>	Overload	110 - 150%
	Over Voltage	56 - 65V
	Over Temperature	95°C ± 5°C (TSW: detect on heatsink of power switch), Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
<b>Function</b>	DC OK Relay Contact Ratings (Max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load
<b>Environmental</b>	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./1 cycle, 60 min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6

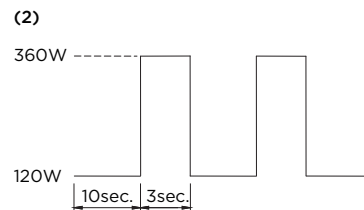
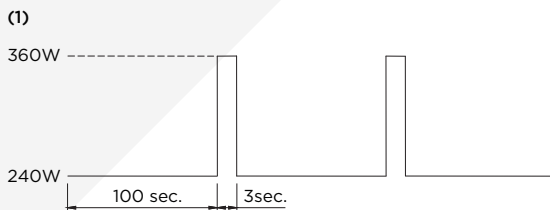
\* This product is subject to regional availability. Please check with your local Extreme Networks representative for availability by country.

<b>Safety &amp; EMC</b>	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 / 500VDC / 25°C/ 70% 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
<b>Others</b>	MTBF	169.3K hrs min. MIL-HDBK-217F (25°C)
	Dimension	63*125.2*113.5mm (W*H*D)
	Packing	1.03Kg; 12pcs/13.4Kg/1.06CUFT
<b>Note</b>	<ol style="list-style-type: none"> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple and noise are measured at 20MHz of bandwidth by using 12" twisted pair-wire terminated with a 0.1uf and 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation, and load regulation</li> <li>The power supply is considered a component which will be installed into a system. The system must be validated to ensure conformance to EMC directives.</li> <li>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.</li> <li>3 seconds max., please refer to peak loading curves.</li> <li>Derating may be needed under low input voltage. Please check the derating curve for more details.</li> <li>After 30 minutes of burn-in.</li> </ol>	

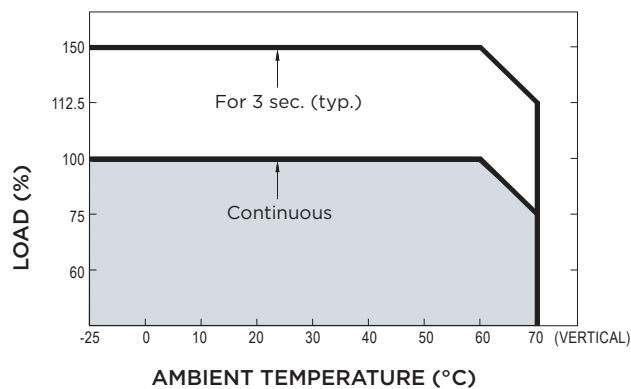
## Ordering Information

PART NUMBER	NAME	DESCRIPTION
16807	IS AC-DC PS 240W	IS AC-DC Power Supply 240W Output DIN Rail -25 - 70C

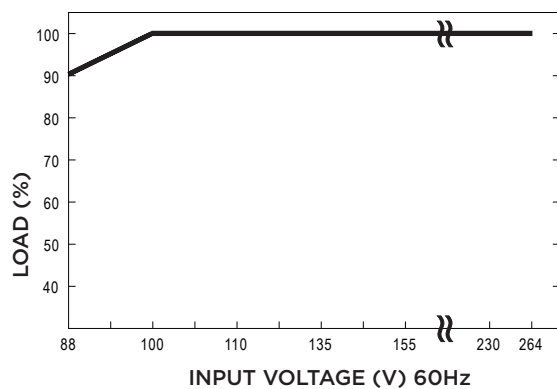
### Peak Loading



### Derating Curve



### Output derating VS input voltage



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