

## DRP-480S Series - 480W Single Output PFC Function DIN RAIL Power Sup

[Home](#) > [Products](#) > [Enclosed](#) > 480W Single Output PFC Function DIN RAIL Power Sup

### Features

AC input range selected by switch  
Built-in passive PFC function compliance to EN61000-3-2  
High efficiency 89% and low dissipation  
Protections: Short circuit/Over load/Over voltage/Over temperature  
Cooling by free air convection  
Built-in constant current limiting circuit  
Can be installed on DIN rail TS-35/7.5 or 15  
UL 508 (industrial control equipment) approved  
EN61000-6-2(EN50082-2) industrial immunity level  
100% full load burn-in test

### Standards



### Specification

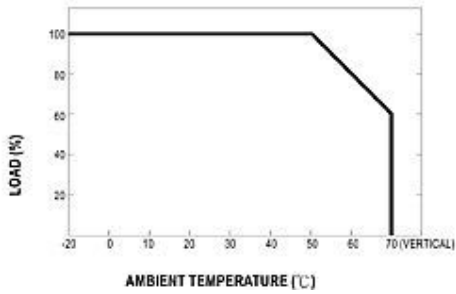
<b>INRUSH CURRENT (MAX.)</b>	30A/115VAC 50A/230VAC, cold start
<b>EFFICIENCY</b>	89% typically
<b>AC CURRENT</b>	11A/115VAC 4A/230VAC
<b>POWER FACTOR</b>	>0.7 230VAC only
<b>FREQUENCY RANGE</b>	47 ~ 63Hz
<b>VOLTAGE RANGE</b>	90 ~ 132VAC / 180 ~ 264VAC by switch
<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min/1cycle, 60min. each along X,Y,Z axes
<b>TEMP. COEFFICIENT</b>	?0.03%/?C (0 ~ 50?C)
<b>WITHSTAND VOLTAGE</b>	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
<b>ISOLATION RESISTANCE</b>	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
<b>STORAGE TEMPERATURE, HUMIDITY</b>	-40?C ~ +85?C, 10 ~ 95% RH
<b>MTBF</b>	187.9Khrs min. MIL-HDBK-217F (25?C)
<b>EMC</b>	Compliance to EN55011 CISPR11), EN55022 (CISPR22), EN61204-3 Class B; EN61204-3; EN61000-3-2,-3; EN6
<b>WORKING TEMPERATURE, HUMIDITY</b>	-10?C ~ +70?C (Refer to output load derating curve), 20 ~ 90% RH non-condensing
<b>LEAKAGE CURRENT</b>	<3.5mA / 240VAC
<b>OVER LOAD PROTECTION</b>	105~150% of rate load. Constant current limiting, recovers automatically after fault condition is r
<b>OVER VOLTAGE PROTECTION</b>	Should an over voltage occur the outputs shall shutdown. Repower to recover
<b>OVER TEMPERATURE PROTECTION</b>	100?C?5?C (TSW:Detect on heatsink of power switch)Outputs will shutdown and auto recover once the te
<b>SETUP, RISE, HOLD TIME</b>	1200ms, 40ms, 20ms at full load
<b>SAFETY STANDARDS</b>	UL508, UL60950-1, TUV EN60950-1 Approved

**Items**

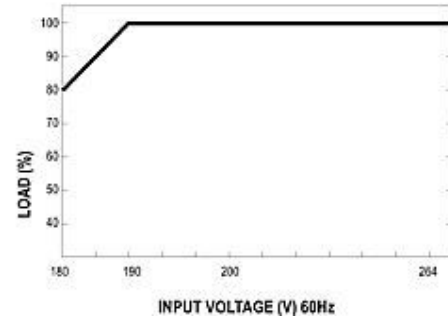
DRP-480 S Series

Part No	Output	R&N	Volt Adj.	Tol.	Line Reg.	Load Reg.	OVP
DRP-480S-48	48V, 10A	120mV	48V~55V	±1%	±0.5%	±1%	59V~66V
DR-480S-24	24V, 20A	120mV	24V~28V	±1%	±0.5%	±1%	30V~36V

■ Derating Curve



■ Output Derating VS Input Voltage



© Copyright 2006 Sunpower UK : [Website design, hosting & Technology: Strategies Group Plc](#)