



240W Single Output Industrial DIN RAIL Power Supply **DRP-240** series



Features:

- Universal AC input / Full range
- Built in active PFC function PF>0.95
- Protection: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS37.5 or 15
- UL508 (industrial control equipment) approved
- LED indicator for power on
- 100% full load burn in test
- Fixed switching frequency at 100kHz
- 3 years warranty



SPECIFICATION

MODEL	DRP-240-24	DRP-240-48	
OUTPUT	DC VOLTAGE	24V	48V
	RATED CURRENT	10A	5A
	CURRENT RANGE	0 ~ 10A	0 ~ 5A
	RATED POWER	240W	240W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 53V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%
SETUP, RISE, HOLD TIME	800ms, 40ms, 20ms/230VAC 800ms, 40ms, 20ms/115VAC at full load		
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR	PF>0.95/230VAC	PF>0.98/115VAC at full load
	EFFICIENCY (Typ.)	84%	85%
	AC CURRENT	3.5A/115VAC	1.8A/230VAC
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 50A/230VAC	
LEAKAGE CURRENT	<3.5mA / 240VAC		
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	OVER VOLTAGE	30 ~ 36V	54 ~ 60V
	OVER TEMPERATURE	100°C ±5°C (TSW1) Detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
ENVIRONMENT	WORKING TEMP.	-10 ~ +70°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1 Approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC	
	EMI CONDUCTION & RADIATION	Compliance to EN55011, EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2, -3	
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A	
	MTBF	105.5Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	125.5*125.2*100mm (W*H*D)	
NOTE	1.2Kg; 12pcs/15.5Kg/1.2CUFT		
NOTE	1 All grades 100% full load burn in test at 25°C ambient temperature 2 Ripple & noise are measured at 20mV bandwidth using a 20mV probe terminated with a 0.1µF & 47µF parallel capacitor. 3 Be aware: inrush current is dependent on line regulation and load regulation. 4 Temperature supply is considered a component which will be installed into a final equipment. The final equipment must be confirmed that it still meets RoHS directives. 5 Output may be used under low input voltage. Please check the derating curve for more details.		

