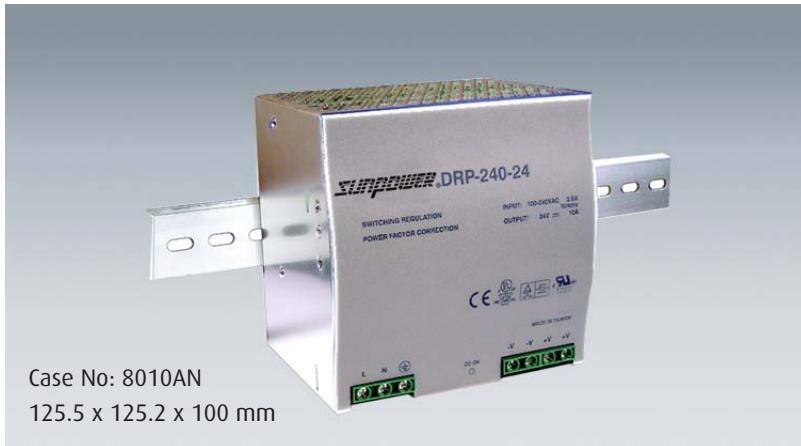


DRP-240 Series

240W Single Output Industrial DIN Rail Power Supply



Case No: 8010AN
125.5 x 125.2 x 100 mm

Features

- Universal AC input/Full range
- Built-in active PFC function
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35-7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz



Specification

INPUT	Voltage	85V ~ 264VAC universal full range or 120V ~ 370VDC.	
	Frequency	47 ----- 63 Hz	
	Current	<2.8A@115VAC; 1.4A@230VAC input, full load	
	Inrush Current	27A@115VAC; 45A@230VAC, Cold start at 50A	
	Leakage Current	3.5mA@240VAC	
OUTPUT	MODEL No.	DRP-240-24	DRP-240-48
	Voltage	24V	48V
	Min Load	0A	0A
	Max Load	10A	5A
	Output Tolerance	± 1%	± 1%
	Line Regulation	± 0.5%	± 0.5%
	Load Regulation	± 1%	± 1%
	Ripple Noise MAX.	80mV	150mV
	Efficiency (TYP.)	84%	85%
	Power	240W	240W
PROTECTION	Over Voltage	30~36V	54~60V
	Over Temperature	Shutdown o/p voltage, re-power on to recover 100°C ±5°C(TSW1) detect on heatsink of power transistor Shut down o/p voltage, recovers automatically after temperature goes down	
	Over Load	105~150% rated output power; Constant current limiting, recovers automatically after fault condition is removed	
ELEC. CHAR.	Rise Time	<40mS@ 115~230VAC at full load	
	Hold up Time	>24mS@ 115~230VAC at full load	
	Setup Time	<0.8 Sec @ 115~230VAC	
ENVIRONMENT	Temperature	Operating: -10 ~ +70°C ; Storage: -20~ +85°C	
	Humidity	Operating: 20% ~ 90% RH; Storage: 10% ~ 95% RH (non condensing)	
SAFETY	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC, 1minute	
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG 100MΩ/500VDC	
	Safety Standard	UL508; UL60950-1; TUV; EN60950-1 Approved	
EMC	EMI	EN55011; EN55022; EN61000-3-2,3	
	EMS	EN61000-4-2,3,4,5,6,8,11; EN55024; EN61000-6-2 (EN50082-2)	
OTHERS	Cooling	Natural cooling	
	M.T.B.F.	289.9K hrs min. MIL-HDBK-217F (25°C)	
	Packing	1.2Kg; 12pcs/15.5Kg/1.29 CUFT	

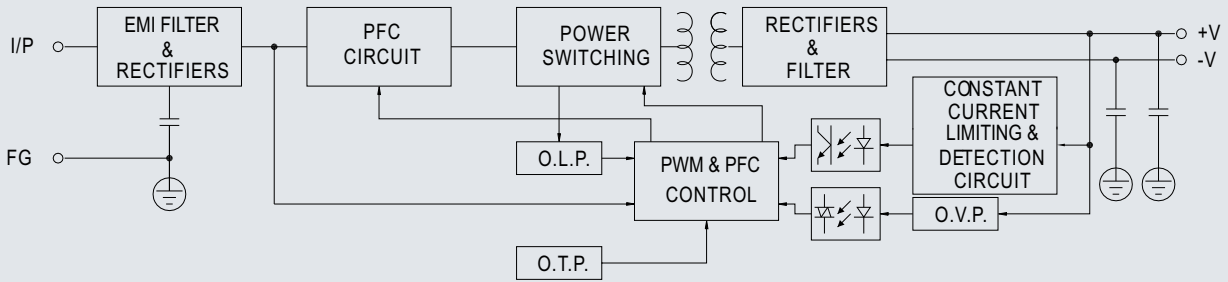
- 1 All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature
- 2 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminates with a 0.1uf & 47uf parallel capacitor
- 3 Tolerance: Includes set up tolerance, line regulation and load regulation
- 4 The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.
- 5 Derating may be needed under low input voltages. Please check derating curve for more details.

DRP-240 Series

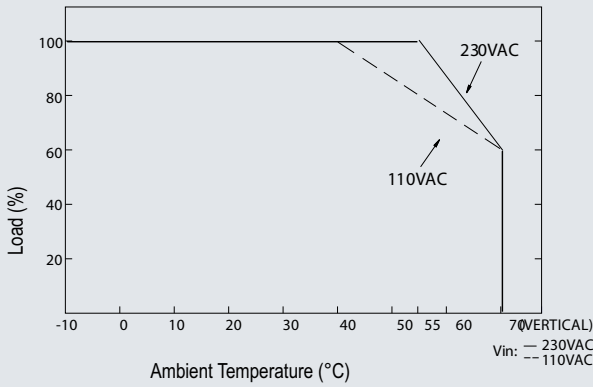
240W Single Output Industrial DIN Rail Power Supply



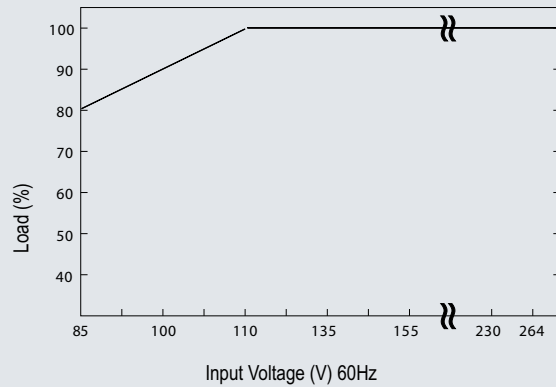
Block Diagram



De-Rating Curve



Output derating Vs. Input Voltage



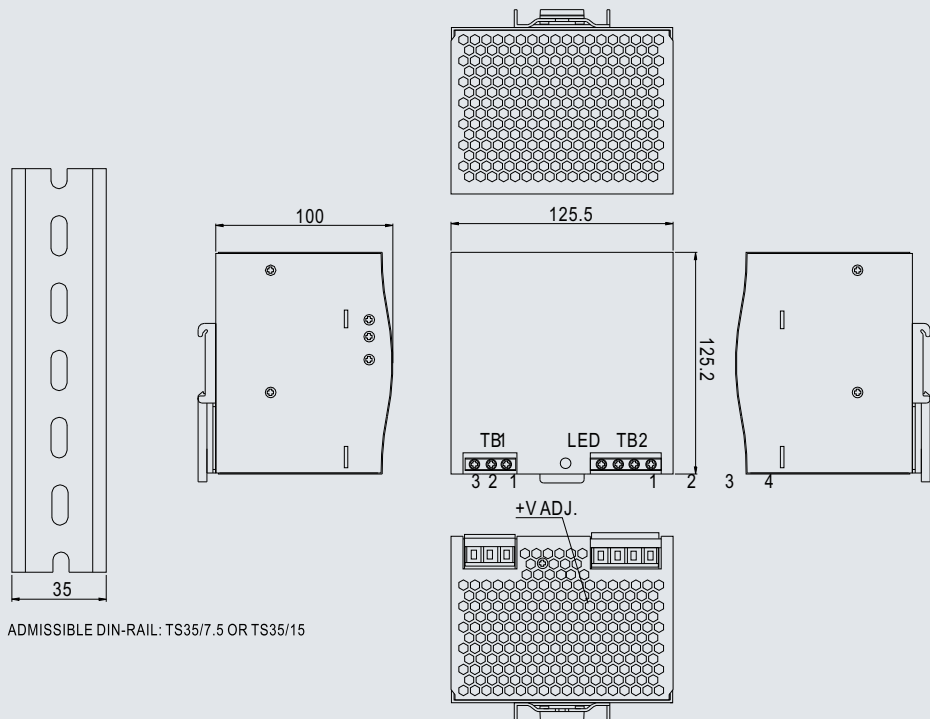
Dimensions

Terminal Pin. No Assignment:
(TB1)

Pin No.	Assignment
1	FG
2	AC/N
3	AC/L

Terminal Pin. No Assignment:
(TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15