



## Features :

Built-in passive PFC function compliance to EN61000-3-2

High efficiency 89% and low dissipation

Protections: Short circuit / Overload / 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

3 years warranty

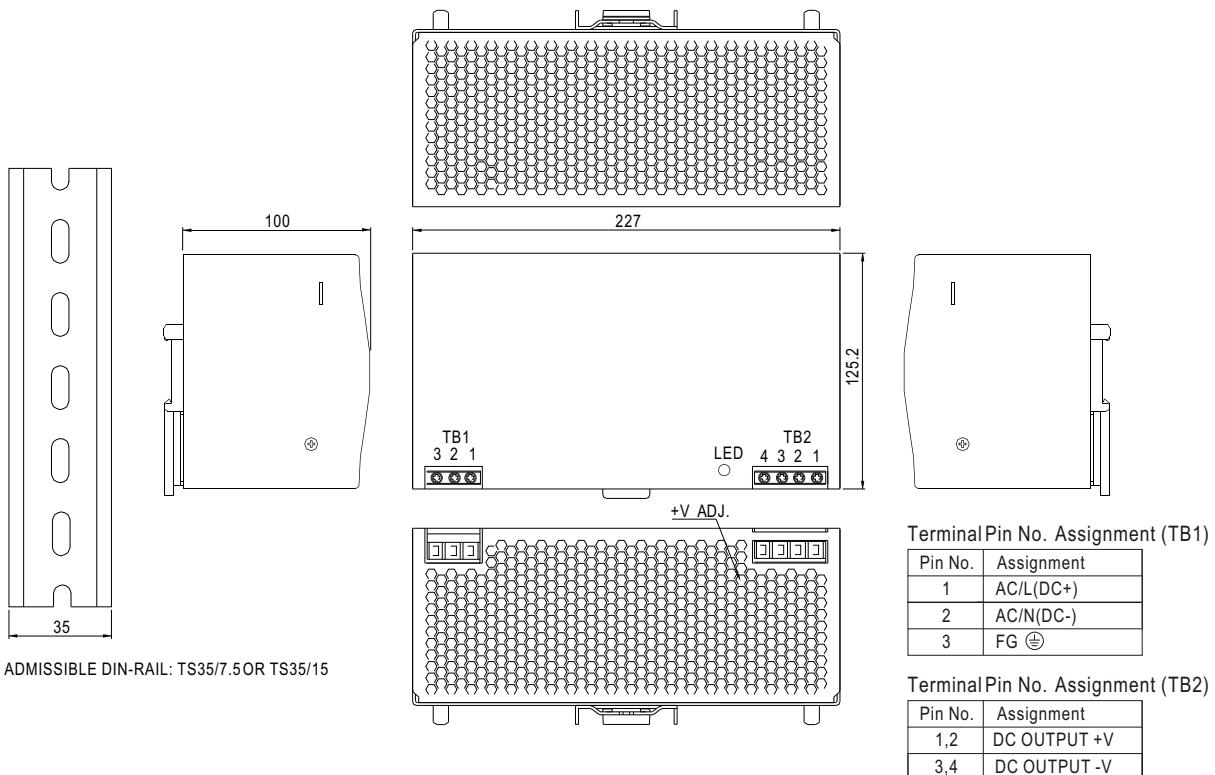


## SPECIFICATION

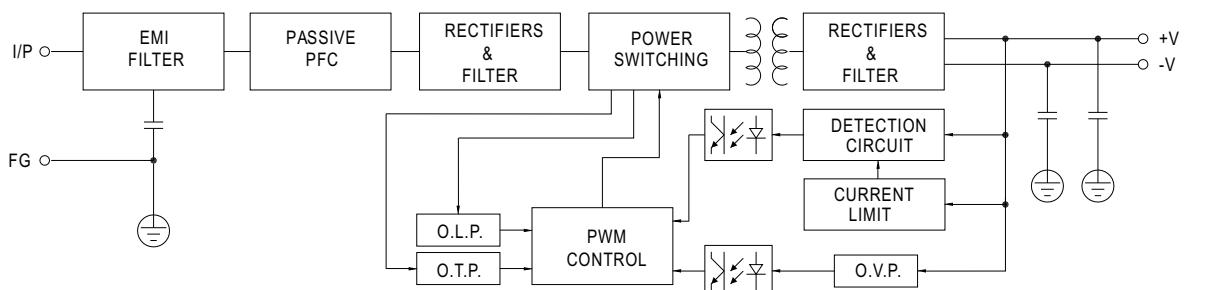
MODEL	DRP-480-24	DRP-480-48
OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	20A
	CURRENT RANGE	0 ~ 20A
	RATED POWER	480W
	RIPLINE & NOISE (max.) Note.2	120mVp-p
	VOLTAGEADJ. RANGE	24 ~ 28V
	VOLTAGE TOLERANCE Note.3	± 1.0%
	LINE REGULATION	± 0.5%
	LOAD REGULATION	± 1.0%
	SETUP, RISETIME	1200ms, 40ms/230VAC at fullload
INPUT	HOLD UP TIME (Typ.)	16ms/230VAC at full load
	VOLTAGERANGE	180 ~ 264VAC 250~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	0.7
	EFFICIENCY (Typ.)	89%
	AC CURRENT (Typ.)	4A/230VAC
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC
PROTECTION	LEAKAGE CURRENT	<3.5mA / 240VAC
	OVERLOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	30 ~ 36V 54 ~ 60V Protection type : Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	100 ± 5 (TSW : detect on heatsink of power switch) Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-20 ~ +70 (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85 , 10 ~ 95% RH
	TEMP. COEFFICIENT	± 0.03%/ (0 ~ 50 )
	VIBRATION	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min.each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6
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 / 25J/ 70% RH
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A
OTHERS	MTBF	180.9Khrs min. MIL-HDBK-217F (25 )
	DIMENSION	227*125.2*100mm (W*H*D)
	PACKING	2.4Kg; 6pcs/15Kg/1.75CUFT
NOTE	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 terminated 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 which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.	

## ■ Mechanical Specification

Case No.930 Unit:mm

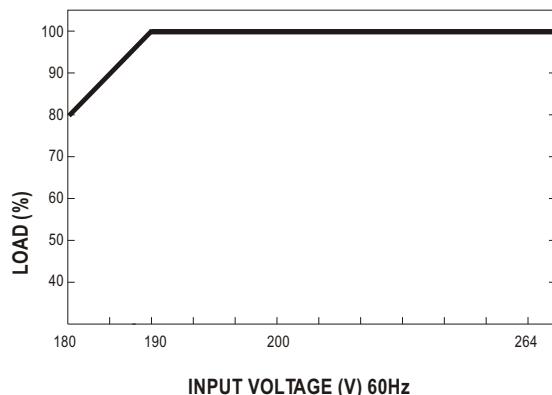
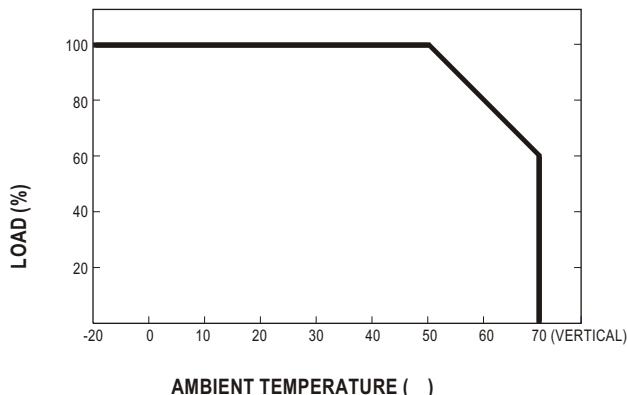


## ■ Block Diagram



## ■ Derating Curve

## ■ Output Derating VS Input Voltage



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Mean Well:

[DRP-480-24](#) [DRP-480-48](#)