



Features :

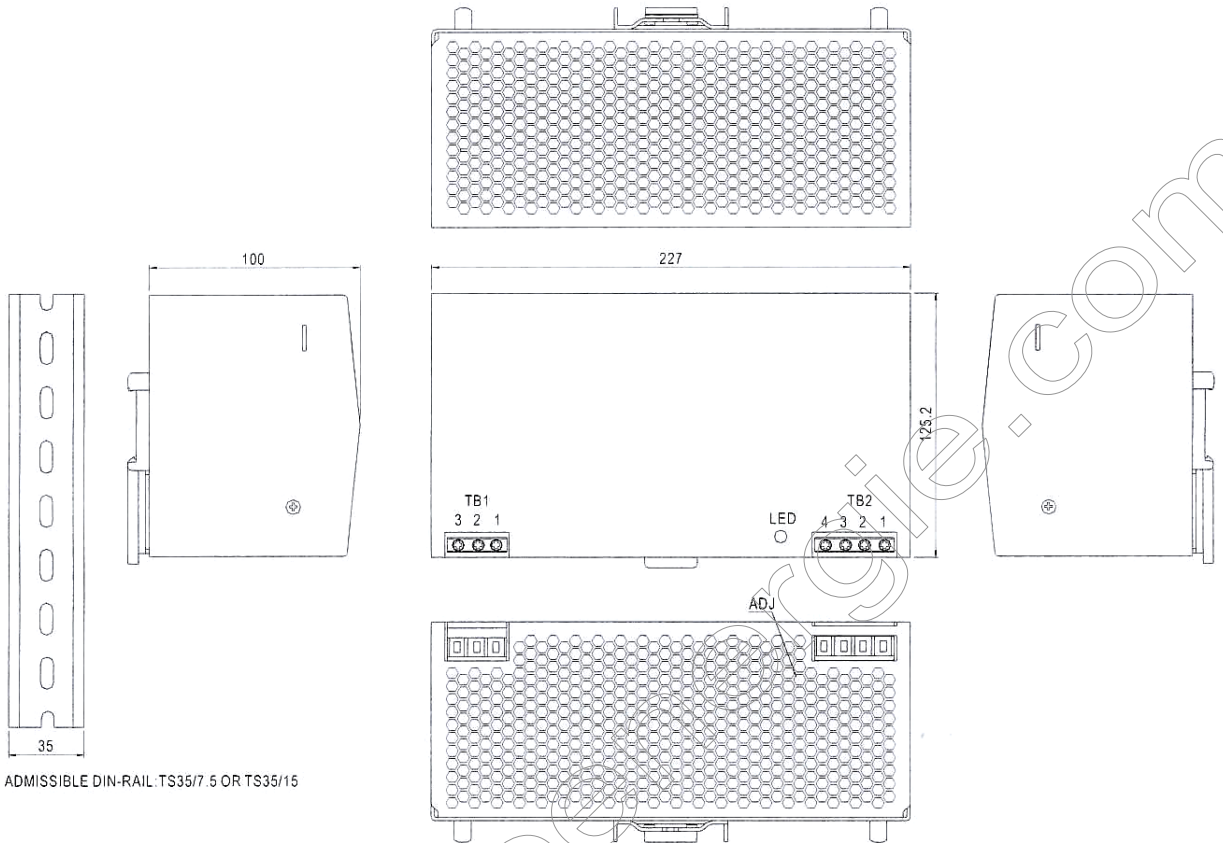
- Built-in passive PFC function compliance to EN61000-3-2 (for DRP 480)
 - High efficiency : 89% and low dissipation
 - Protections: short circuit, over load, over voltage, over temperature
 - Cooling by free-air convection
 - Built-in constant current limiting circuit
 - Can be installed on DIN rail TS-35/7.5 or 15
 - UL508 (industrial control equipment) approved
 - EN61000-6-2 (EN50082-2) industrial immunity level
 - Free air cooling convection
 - 100% full-load burn-in test
- 3 years warranty**

MODEL		DR-480-24	DR-480-48	DRP-480-24	DRP-480-48
OUTPUT	DC VOLTAGE	24V	48V	24V	48V
	RATED CURRENT	20A	10A	20A	10A
	CURRENT RANGE	0~20A	0~10A	0~20A	0~10A
	RATED POWER	480W	480W	480W	480W
	RIPPLE & NOISE	120mVp-p	120mVp-p	120mVp-p	120mVp-p
	VOLTAGE ADJ. RANGE	24~28V	48~53V	24~28V	48~53V
	VOLTAGE TOLERANCE	±1%	±1%	±1%	±1%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1%	±1%	±1%	±1%
SETUP, RISE, HOLD time		1200ms, 40ms, 16ms / 230 VAC at full load			
INPUT	VOLTAGE RANGE	90~264 VAC 250~370 VDC			
	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR	≥ 0.7(for DRP480)			
	EFFICIENCY (typ.)	89%			
	AC CURRENT	6A / 230 VAC	4A / 230 VAC		
	INRUSH CURRENT	COLD START 50A / 230 VAC			
	LEAKAGE CURRENT	<3.5mA / 240 VAC			
PROT.°	OVER LOAD	105~150% rated output power Protection : Constant current limiting, recovers automatically after fault condition is removed			
	OVER VOLTAGE	30~36V	54~60V	30~36V	54~60V
	OVER TEMPERATURE	100°C +5°C (TSW : detect on) heatsink of power switch Protection type : shut down o/p voltage, re-power on recover			
ENV. T	WORKING TEMP.	-20~+70°C (Refer to output derating curve)			
	WORKING HUMIDITY	20~90% Relative Humidity (non -condensing)			
	STORAGE TEMP., HU.	-40~+85°C, 10~95% R.H.			
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)			
	VIBRATION	10~500Hz, 2G 10min./1cycle, 60 min. each along X,Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL508, TUV EN60950-1 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC			
	ISOLATION RESIST.	I/P-O/P, I/P-F/G, O/P-FG: 100MΩ / 500 VDC			
	EMI CONduc. & RADIA.	Compliance to EN55022 (CISPR22) Class B			
	HARMONIC CURRENT	Compliance to EN61000-3-2,3			
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8 1 ; ENV50204, EN55024, Light industry level, criteria A				
OTHERS	MTBF	180.9 K hours min. MIL-HDBK-217F (25°C)			
	DIMENSIONS	227 x 125.2 x 100 mm (W x H x D)			
	WEIGHT / PACKING	2.1 Kg / 6pcs box / 12.6 Kg / 1.75 CUFT			
Notes: -All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. - Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µF & 47µF parallel capacitor. - Tolerance include set-up tolerance, line regulation, load regulation. - The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that is still meets EMC directives.					



■ Mechanical Specification

Case No.930 Unit:mm



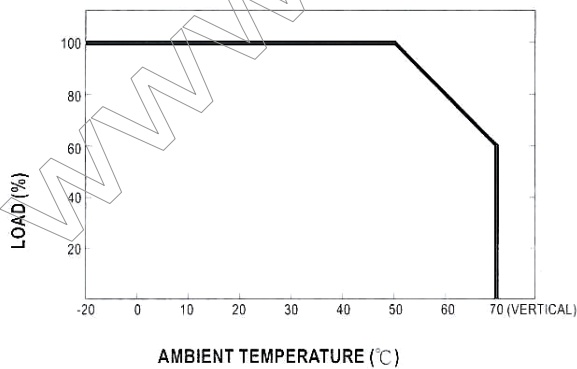
TB1 Terminal Pin. No Assignment

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

TB2 Terminal Pin. No Assignment

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

■ Derating Curve



■ Output Derating VS Input Voltage

