



### ■ Features :

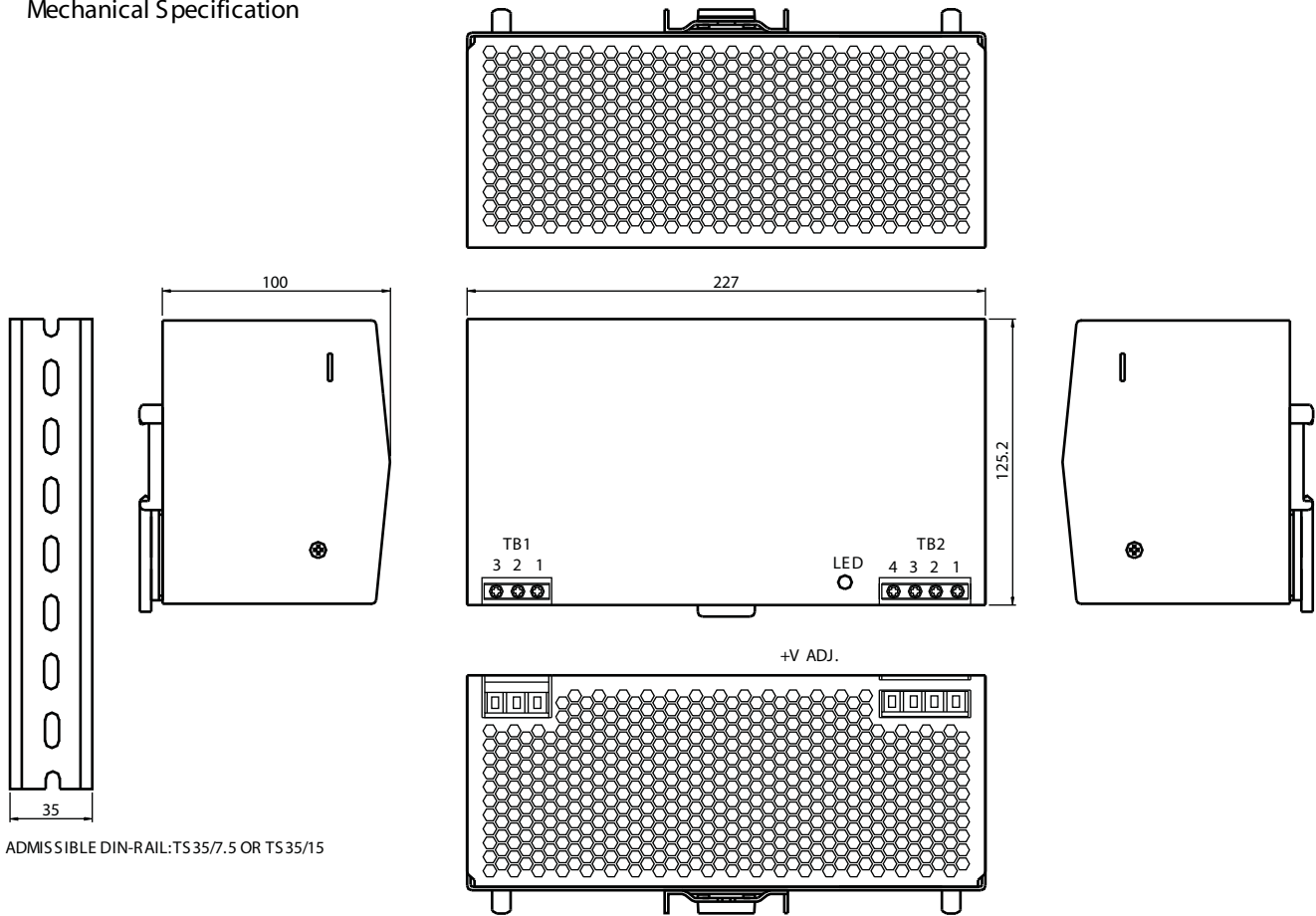
- Built-in passive PFC function compliance to EN61000-3-2 (For DRP-480)
- High efficiency 89% and low dissipation
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5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



### SPECIFICATION

MODEL	PSP-48024		PSP-48048	
OUTPUT	DC VOLTAGE	24V		48V
	RATED CURRENT	20A		10A
	CURRENT RANGE	0 ~ 20A		0 ~ 10A
	RATED POWER	480W		480W
	RIPPLE & NOISE (max.) Note.2	120mVp-p		120mVp-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	1200ms, 40ms, 16ms/230VAC at full load			
INPUT	VOLTAGE RANGE	180 ~ 264VAC		250 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR	≥ 0.7 (for DRP-480)		
	EFFICIENCY (Typ.)	89%		
	AC CURRENT	4A/230V AC	4A/230VAC	
	INRUSH CURRENT (max.)	COLD START 40A/230V AC		
	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	30 ~ 36V      54 ~ 60V
	OVER TEMPERATURE	100°C ±5°C (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°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, EN60950 Approved, UL60950-1		
	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 EN55022 (CISPR22) Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3(For DRP-480)		
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,9,EN50204, EN61000-6-2 (EN50082-2) Heavy industry level, Category			
OTHERS	MTBF	180.9Khrs min.    MIL-HDBK-217F (25°C)		
	DIMENSION	227*125.2*100mm (W*H*D)		
	PACKING	2.4Kg; 6pcs/15Kg/1.75CUFT		
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>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.</p>			

### Mechanical Specification



ADMISSIBLE DIN-RAIL: TS 35/7.5 OR TS 35/15

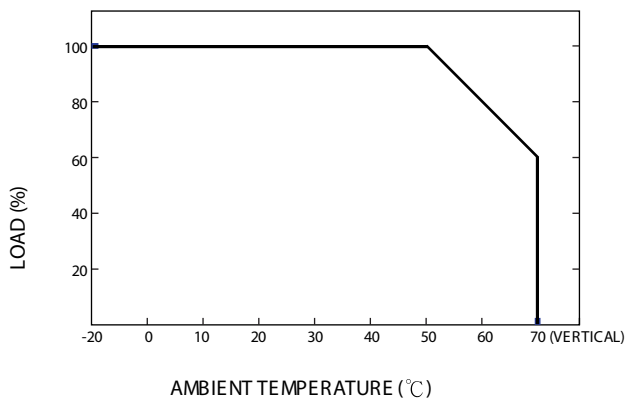
TB1 Terminal Pin. No Assignment

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

