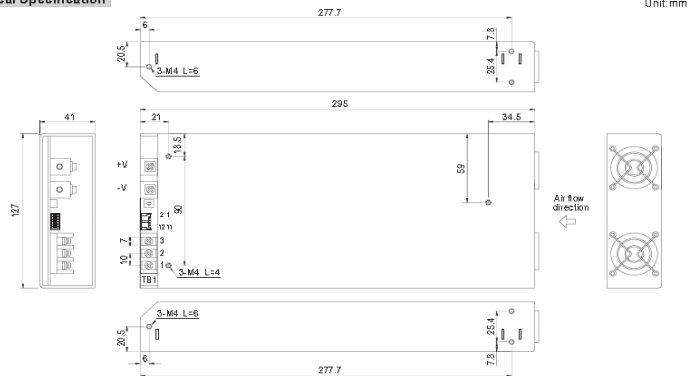


48V DC/ DC Converter

Mechanical Specification



FEATURES

- 1U low profile
- High power density 10.7w/inch³
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in remote ON-OFF control
- Built-in remote sense function
- Forced air cooling by built-in DC fan with fan speed control

SPECIFICATION

	MODEL	EPS1000-110-48	EPS1000-220-48
OUTPUT	DC Voltage	48V	
	RATED CURRENT	21A	
	CURRENT RANGE	0 ~ 21A	
	RATED POWER	1008W	
	RIPPLE & NOISE (max.) Note 2	150mVp-p	
	VOLTAGE ADJ. RANGE	46 ~ 60V	43 ~ 55V
	VOLTAGE TOLERANCE Note 3	1.0%	
	LINE REGULATION	0.5%	
	LOAD REGULATION	0.5%	
	SETUP, RISE TIME	500ms, 50ms at full load	300ms, 50ms at full load
	INPUT	VOLTAGE RANGE Note 4	72 ~ 144VDC
EFFICIENCY (Typ.)		92%	90%
INRUSH CURRENT (Typ.)		100A @ 96VDC	40A @ 220VDC
PROTECTION	OVERLOAD	105 ~ 125% rated output power Protection type : Constant current limiting, unit will shut down o/p voltage after about 5sec. Re-power on to recover	
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
FUNCTION	REMOTE ON/OFF CONTROL	Available, Consult Factory for configuration	
ENVIRONMENT	OPERATING HUMIDITY	Up to 95% RH non-condensing	
	OPERATING TEMPERATURE	-10°C to +50°C	
	TEMP. COEFFICIENT	0.02%/ (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	IEC60950-1	
	WITHSTAND VOLTAGE	I/P-O/P:2KVAC / I/P-FG:1.5KVAC / O/P-FG:0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100 MOhms @ 500VDC, 25°C, 70% RH	
	EMC EMISSION	Compliance to EN55022 (CISPR22)	
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,6,8, criteria A	
	DIMENSION	295*127*41mm (L*W*H). 1U Rack Mount option available	
NOTE	1. All parameters NOT specially mentioned are measured at 48, 96VDC 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. Derating may be required under low input voltages.		