

Enclosed AC/DC Switching Power Supply

Features

- 100-240VAC Universal Input
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency $\geq 88\%$ depends on models
- MTBF > 50,000 hours
- Active Fan for Forced Cooling
- Built-in Active PFC Function
- -30~+70C Working Temperature
- Built-in Remote ON-OFF Control
- LED Indicator for Power On



EP12400 XX YY

- XX:** Specified output voltage, i.e. 27 is 27VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD(Io)	MAX. LOAD(Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1240027YY	2400W	27V	0A	88.88A	$\pm 0.5\%$	$\pm 0.5\%$	480mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\cong V_o \times I_o$

INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 24A$
- Inrush Current: $\leq 260A/230VAC$
- Hold Up Time: $\geq 10ms$
- Turn On Time: $\leq 3s$

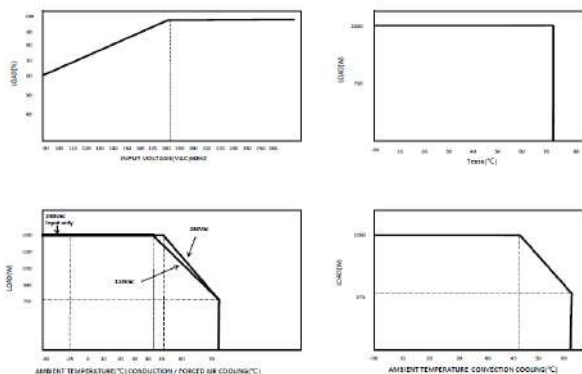
PROTECTION

- Short Circuit Protection: Latch off
- Over Circuit Protection: Latch off
- Over Voltage Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

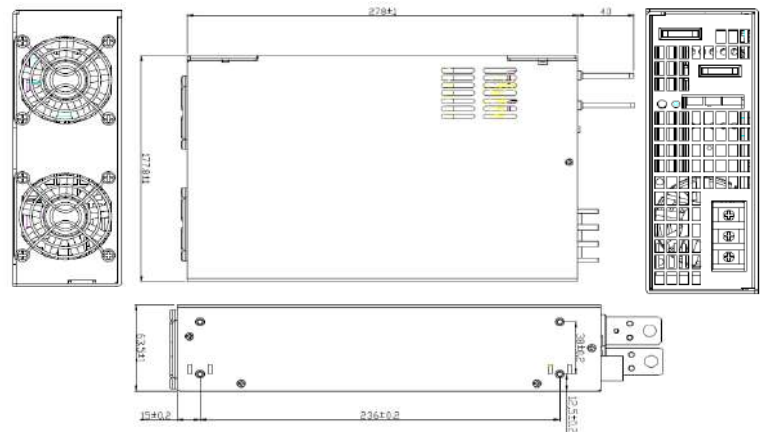
ENVIRONMENT

- Operating Temperature: -30 to 70°C
- Storage Temperature: -40 to 85°C
- Operating Humidity: 20% to 90 %
- Storage Humidity: 10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 278L x 177.8W x 63.5H (mm)
- Pin Assignment:
AC Input termina(TB1):

Pin No.	Assignment
1	AC/L
2	AC/N
3	\perp

- Weight: 3000g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)