

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency $\geq 94\%$ ~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Built-in Active PFC Function
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

EP1500 XX YY

XX: Specified output voltage, i.e. 12 is 12VDC
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
EP1150024YY	1500W	24V	0A	62.5A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP1150048YY	1512W	48V	0A	31.5A	$\pm 0.5\%$	$\pm 0.5\%$	350mV

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) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 11A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 10ms$
- Turn On Time: $\leq 2s$

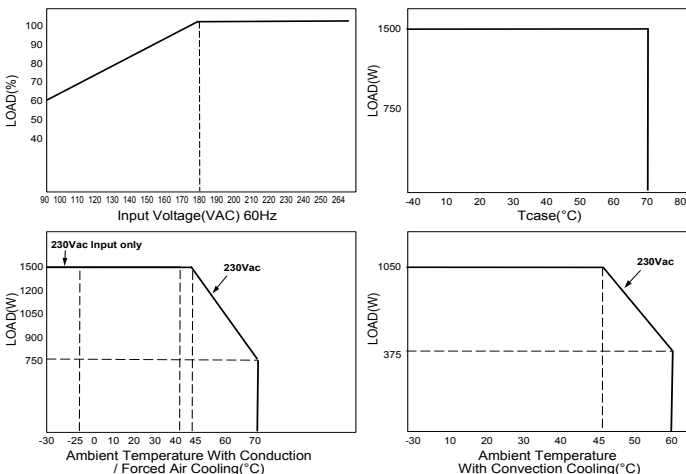
PROTECTION

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

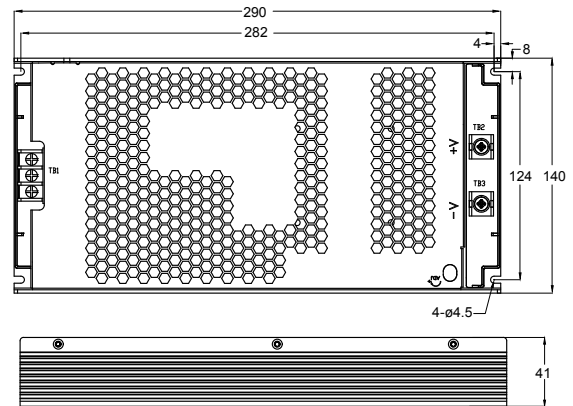
ENVIRONMENT

- 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: 290L x 140W x 41H (mm)

- Pin Assignment:

AC Input Terminal (TB1): DECAT25

Pin No.	Assignment
1	AC/L
2	AC/N
3	⊥

DC Output Terminal: EDAC Terminal

Pin No.	Assignment
TB2	+V
TB3	-V

- Weight: 2600g

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)