

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency $\geq 93\%$ ~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC Surge Input for 5 seconds
- Built-in Active PFC Function
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

EP11000 U - XX YY

U: Output range

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
EP11000A	960W	12V	0A	80A	$\pm 0.5\%$	$\pm 0.5\%$	150mV
EP11000B	1008W	24V	0A	42A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP11000C	1008W	36V	0A	28A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP11000D	1008W	48V	0A	21A	$\pm 0.5\%$	$\pm 0.5\%$	300mV

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 $\leq 10A$
- Inrush Current $\leq 40A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 1s$

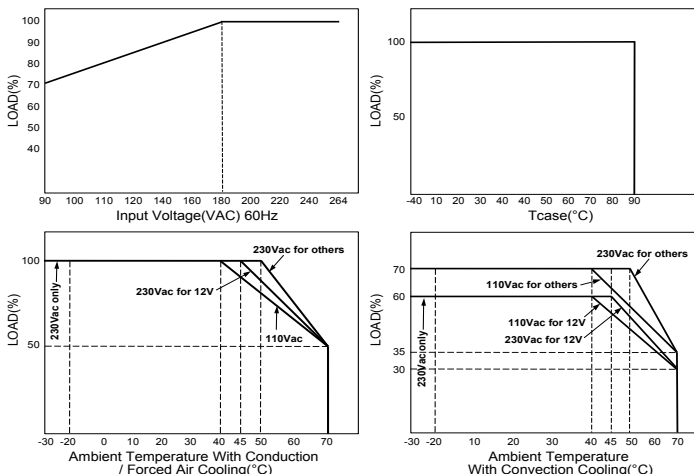
PROTECTION

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

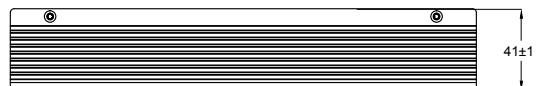
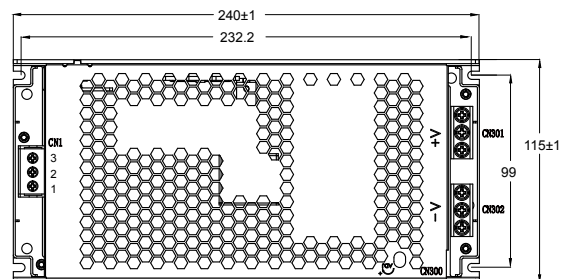
ENVIRONMENT

- 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: 240L x 115W x 41H (mm)
- Pin Assignment:
AC Input Terminal (CN1): T42-ES11-03 or equivalent

Pin No.	Assignment
1	AC/L
2	AC/N
3	⊥

DC Output Terminal (CN301 & CN302): EDAC Terminal

Pin No.	Assignment
CN301	+V
CN302	-V

- Weight: 1800g

SAFETY

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