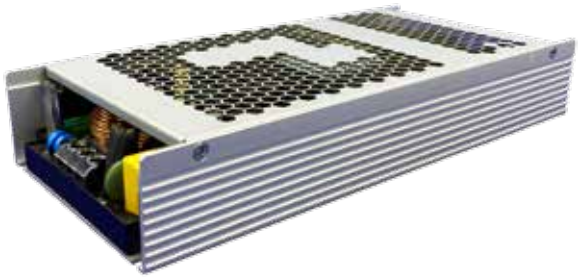
# Enclosed AC/DC Switching Power Supply



## Features

- Slim and Low Profile
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency ≥ 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 | ± 0.5% | ± 0.5% | 150mV |
| EP11000B | 1008W | 24V | 0A | 42A | ± 0.5% | ± 0.5% | 240mV |
| EP11000C | 1008W | 36V | 0A | 28A | ± 0.5% | ± 0.5% | 240mV |
| EP11000D | 1008W | 48V | 0A | 21A | ± 0.5% | ± 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 ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

### INPUT

| | |
|---|---|
| • Input Range | 100 to 240VAC |
| • Frequency | 50 to 60Hz |
| • Input Current | ≤ 11A |
| • Inrush Current | ≤ 40A/230VAC |
| • Hold Up Time | ≥ 8.3ms |
| • Turn On Time | ≤ 1s |

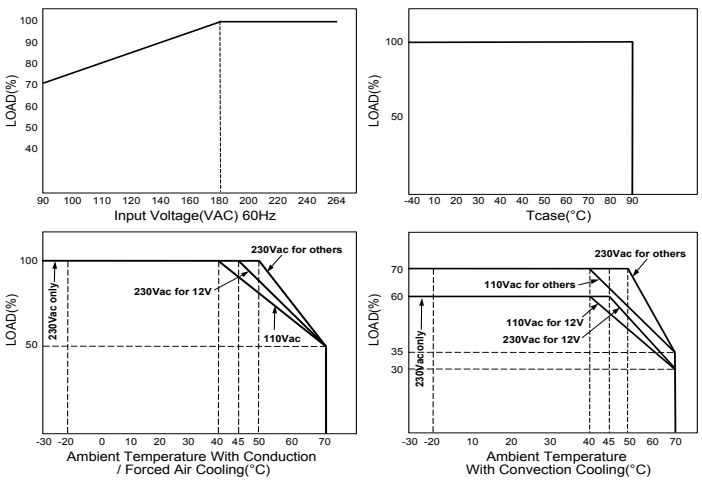
### PROTECTION

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

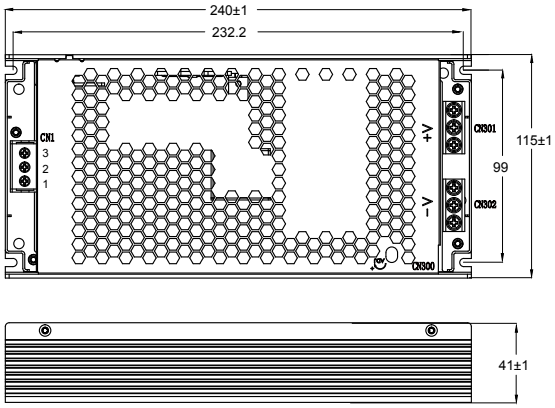
### ENVIRONMENT

| | |
|---|---|
| • 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, 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




Above safety certificates are for reference only. Please contact our sales department for more details.