Enclosed AC/DC Switching Power Supply

Features

- Slim and Low Profile
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency ≥ 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

EP11500 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 24 is 24VDC
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
EP11500A	1500W	24V	0A	62.5A	± 0.5%	± 0.5%	240mV
EP11500B	1512W	48V	0A	31.5A	± 0.5%	± 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 ±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	≤ 60A/230VAC
• Hold Up Time	≥ 10ms
• Turn On Time	≤ 2s

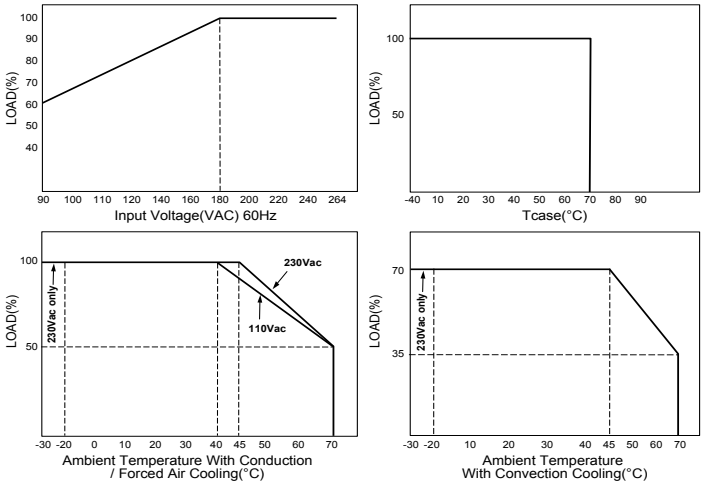
PROTECTION

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

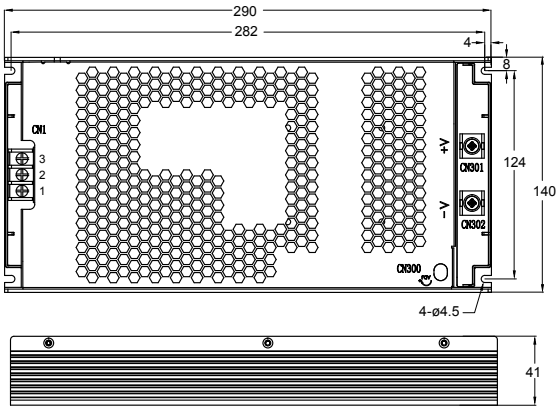
ENVIRONMENT

• 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 (CN1): DECAT25

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: 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)