

AC/DC Single Output Industrial DIN Rail



Features

- Universal AC Input / Full Range
- Convection Cooled (Free Air Cooling)
- DIN Rail Mountable: Fits TS-35/7.5 or TS-35/15
- Protections :
Short circuit / Over voltage / Over current
Over temperature
- 100% Full Load Burn-in Test
- MTBF > 100,000 hours

EP112A 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
EP112AA	120W	12V	0A	10A	± 1%	± 0.5%	100mV
EP112AB	120W	24V	0A	5A	± 1%	± 0.5%	120mV
EP112AC	120W	48V	0A	2.5A	± 1%	± 0.5%	150mV

- 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 Range100 to 240 VAC
- Frequency50 to 60Hz
- Input Current≤ 3.5A
- Inrush Current≤ 100A
- Hold Up Time≥ 8.3ms
- Turn On Time≤ 3s

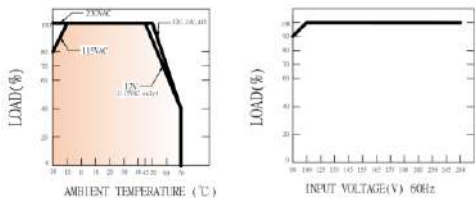
PROTECTION

- Short Circuit ProtectionAuto Recovery
- Over Voltage ProtectionAuto Recovery
- Over Current ProtectionAuto Recovery
- Over Temperature ProtectionAuto Recovery

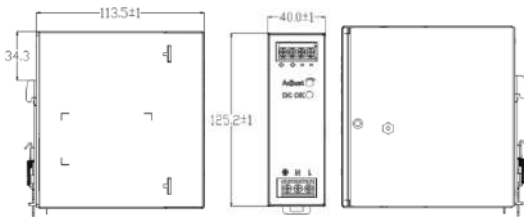
ENVIRONMENTAL

- Operating Temperature-20 to 70°C
- Storage Temperature-40 to 85°C
- Operating Humidity20% to 95 %
- Storage Humidity10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 125.2L x 113.5W x 40H (mm)
- Pin Assignment:

AC Input Connector (CN1) :

Pin No.	Assignment
1	FG
2	AC/N or DC-
3	AC/L or DC+

DC Output Terminal (CN2):

Pin No.	Assignment
1,2	DC OUTPUT-
3,4	DC OUTPUT+

- Weight: 670g

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), UL 61010-1, CAN/CSA-C22.2 No. 61010-1, UL 61010-2-201, CAN/CSA-C22.2 No. 61010-2-201