



120W Open Frame type Single output power supply > EP1121

Open Frame



Features

- 100-240VAC Universal Input
- Active PFC Function
- Protections:
 Short circuit / Over voltage / Over current
 Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$
- MTBF > 100,000 hours

EP1121 X - w

X: Output range
w: Specified output voltage, i.e. 24 is 24VDC

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1121A	100W	12~16V	0A	6.25~8.33A	$\pm 5\%$	$\pm 1\%$	270mV
EP1121B		19~24V		4.16~5.26A			360mV
EP1121C		48~52V		1.92~2.08A			780mV
EP1121D	120W	12~16V	0A	7.5~10A	$\pm 5\%$	$\pm 1\%$	270mV
EP1121E		19~24V		5~6.31A			360mV
EP1121F		48~52V		2.5~2.5A			780mV
EP1121H	130W	19~24V	0A	5.41~6.84A	$\pm 5\%$	$\pm 1\%$	360mV

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) $\geq V_o \times I_o$

Electrical Specification

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.5A$
- Inrush Current: 60A/100VAC 120A/230VAC
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

OUTPUT

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

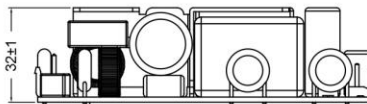
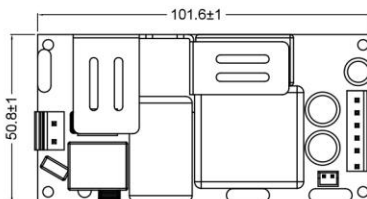
ENVIRONMENT

- Operating Temperature: 0 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

Mechanical Specification



- Mechanical Size: 101.6L x 50.8W x 32H (mm)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:
 CON2:

Single Output	P1-3	P4-6
	GND	VOUT
- Weight: 250g