



**120W Open Frame type Medical power supply < EP1121**

**EP1121 Series**



**Features:**

- IEC62368-1 Approved
- RoHS Compliance
- Over Voltage Protective Installation
- Over Current Protective Installation
- Over Temperature Protective Installation
- Short Circuit Protective Installation
- LED Indicator
- Efficiency level V
- MTBF > 100,000 hours

**EP1121 XX YY**

XX: Main - Power voltage  
 YY: Serial number = 00

**Electrical Specification**

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN.	MAX.	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
			LOAD(Io)	LOAD(Io)			
EP1121XXYY	120W	12V	0A	10A	±5%	±1%	240mV
		15V		8A			240mV
		19V		6.31A			360mV
		24V		5A			360mV
		52V		2.3A			780mV

**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

**Electrical Specification**

**INPUT**

- Input Range 100 to 240 VAC
- Frequency 50 to 60 Hz
- Input Current ≤ 2.5A
- Inrush Current ≤ 100A At cold start
- Turn On Time ≤ 3s

**OUTPUT**

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

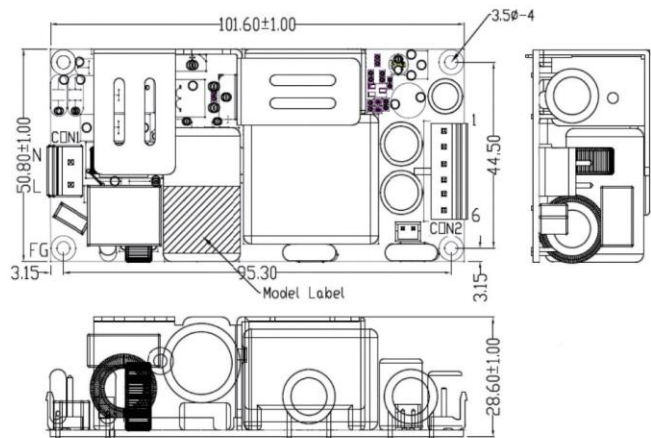
**ENVIRONMENT**

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

**SAFETY**

UL/cUL 62368, CB IEC62368, CE

**Mechanical Specification**



- Mechanical Size: 101.6 mm (L) \* 50.8 mm (W) \* 32.0 mm (H)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:

**CON2:**

Single	P1-3	P4-6
Output	GND	VOUT

• Weight: 250g