



70~100W Desktop type Medical power supply < EM1090

EM1090 Series



Features

- CEC Compliance
- RoHS Compliance
- IEC320 C14, C8, C6, C18
- Over Voltage Protective Installation
- Short Circuit Protective Installation
- Protection Type: Auto-Recovery
- MTBF: >30,000 hours

EM1090 x Y - vv

- X:** Case type: 1. C14 2. C8 3. C6 6. C18
- Y:** Output range
- vv:** Specified output voltage, ie 24 is 24Vdc

Electrical Specifications

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE& NOISE
EM1090xA	90W	12~17V	0	7.5A	± 5%	± 1%	350mV
EM1090xB	100W	18~24V	0	5.56A	± 5%	± 1%	350mV
EM1090xC	80W	12~17V	0	6.67A	± 5%	± 1%	350mV
EM1090xD	90W	18~24V	0	5.0A	± 5%	± 1%	350mV
EM1090xE	70W	12~17V	0	5.83A	± 5%	± 1%	350mV
EM1090xF	80W	18~24V	0	4.44A	± 5%	± 1%	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. Output Power (W) ≥Vo x Io

Electrical Specifications

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤3.15A
- Inrush Current ≤100A At cold start
- Efficiency 82% Typ.
- Hold Up Time ≥8.3mS
- Turn On Time ≤3s

OUTPUT

- Over Voltage Protection Auto Recovery
- Short Circuit Protection Auto Recovery

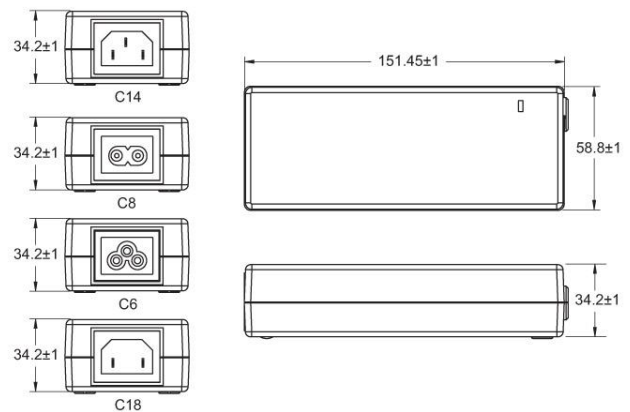
ENVIRONMENTAL

- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85°C
- Storage Humidity 5% to 95%

SAFETY

- Meet UL60601
- Meet EN/IEC 60601

Mechanical Specification



- Case Size: 151.45L x 58.8W x 34.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 550g