

EM1090 Series

AC/DC Medical Desk Top Type
• 70~100Watts Max.



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 PP

X: Case type: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, ie 24 is 24Vdc

PP: Connector type, ie 01 for EDACPOWER standard dc cable or please refer to the appendix page

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	0A	7.5A	± 5%	± 1%	350mV
EM1090xB	100W	18~24V	0A	5.56A	± 5%	± 1%	350mV
EM1090xC	80W	12~17V	0A	6.67A	± 5%	± 1%	350mV
EM1090xD	90W	18~24V	0A	5.0A	± 5%	± 1%	350mV
EM1090xE	70W	12~17V	0A	5.83A	± 5%	± 1%	350mV
EM1090xF	80W	18~24V	0A	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

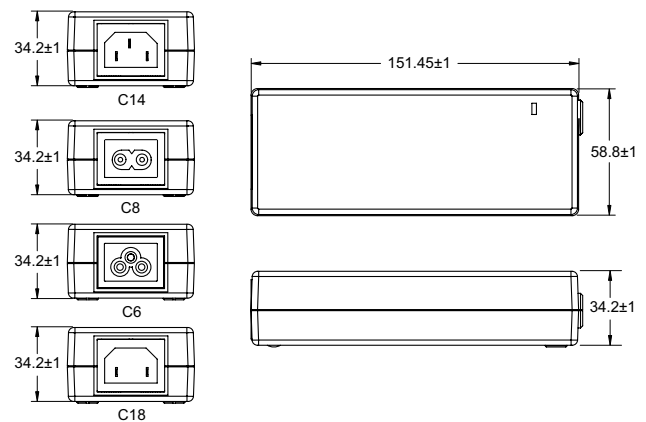
ENVIRONMENTAL

- 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