

EM1300 Series

AC/DC Medical Desk Top Type
• 230~310Watts Max.



Features

- Active PFC Function
- DoE Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Over Current Protective Installation
- Over Temperature Protective Installation
- Short Circuit Protective Installation
- LED Indication
- MTBF > 50,000 hours

EM1300 x Y-vv PP

x: Inlet 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
EM1300xA	230W	12V~18V	0A	13.33A	±5%	±1%	240mV
EM1300xB	240W	12V~18V	0A	20.00A	±5%	±1%	240mV
EM1300xC	250.2W	12V~18V	0A	20.85A	±5%	±1%	240mV
EM1300xD	260W	19V~28V	0A	13.68A	±5%	±1%	360mV
EM1300xE	270W	19V~28V	0A	14.21A	±5%	±1%	360mV
EM1300xF	270W	32V~42V	0A	8.43A	±5%	±1%	630mV
EM1300xG	270W	44V~56V	0A	6.13A	±5%	±1%	840mV
EM1300xH	280W	19V~28V	0A	14.73A	±5%	±1%	360mV
EM1300xM	290W	19V~28V	0A	15.26A	±5%	±1%	360mV
EM1300xN	300W	19V~28V	0A	15.78A	±5%	±1%	360mV
EM1300xP	310W	32V~42V	0A	9.68A	±5%	±1%	630mV
EM1300xQ	310W	44V~56V	0A	7.04A	±5%	±1%	840mV

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 100Vac to 240 Vdc
- Frequency 50Hz to 60Hz
- Input Current 5A to 2.5A
- Inrush Current ≤150A at At cold start
- Efficiency Meet CEC Level V, VI (DoE)
- Hold Up Time 8.3mS min.
- Turn On Time ≤3S

OUTPUT

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

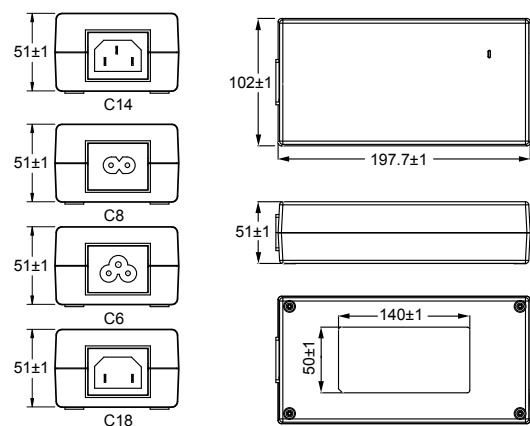
ENVIRONMENTAL

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

SAFETY

- UL/cUL, UL60601, TUV EN60601, CB 60601, CE, FCC

Mechanical Specification



- Case Size: 197.7L x 102W x 51H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 1350g