

# 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

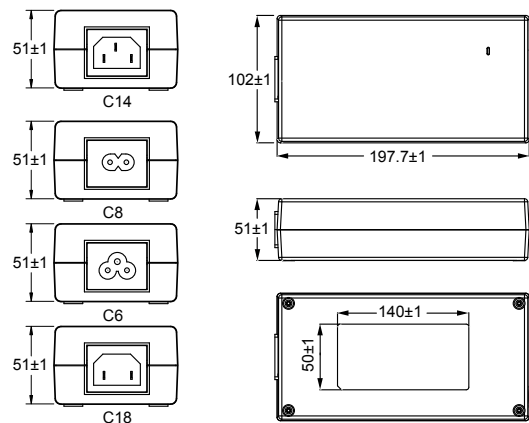
### ENVIRONMENTAL

- 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