

# EM1170 Series

AC/DC Medical Desk Top Type  
• 130~180Watts Max.

## Features

- Active PFC Function
- DoE Compliance
- RoHS Compliance
- IEC320 C14, C8, C6, C18
- Over Voltage Protective Installation
- Over Current Protective Installation
- Over Temperature Protective Installation
- Short Circuit Protective Installation
- LED Indication
- MTBF: >50,000 hours

## EM1170 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
EM1170xA	130W	12~16	0A	10.83A	± 5%	± 1%	240mV
EM1170xB	130W	19~24	0A	6.84A	± 5%	± 1%	360mV
EM1170xC	140W	12~16	0A	11.66A	± 5%	± 1%	240mV
EM1170xD	140W	19~24	0A	7.36A	± 5%	± 1%	360mV
EM1170xE	150W	12~16	0A	12.5A	± 5%	± 1%	240mV
EM1170xF	150W	19~24	0A	7.89A	± 5%	± 1%	360mV
EM1170xG	150W	32~42	0A	4.68A	± 5%	± 1%	630mV
EM1170xH	150W	44~56	0A	3.12A	± 5%	± 1%	840mV
EM1170xJ	130W	32~42	0A	4.06A	± 5%	± 1%	640mV
EM1170xK	130W	44~56	0A	2.95A	± 5%	± 1%	840mV
EM1170xM	160W	12~16	0A	13.33A	± 5%	± 1%	240mV
EM1170xN	160W	19~24	0A	8.42A	± 5%	± 1%	360mV
EM1170xP	170W	19~24	0A	8.94A	± 5%	± 1%	360mV
EM1170xQ	180W	19~24	0A	9.47A	± 5%	± 1%	360mV
EM1170xR	180W	32~42	0A	5.62A	± 5%	± 1%	630mV
EM1170xS	180W	44~56	0A	3.75A	± 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 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤2.5A
- Inrush Current ≤100A At cold start
- Efficiency Meet CEC Level V, VI (DoE)
- Hold Up Time ≥8.3mS
- 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

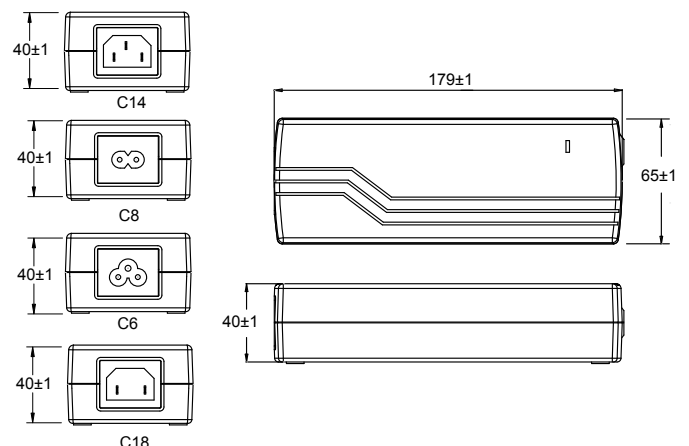
### ENVIRONMENTAL

- 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: 179L x 65W x 40H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 705g