

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

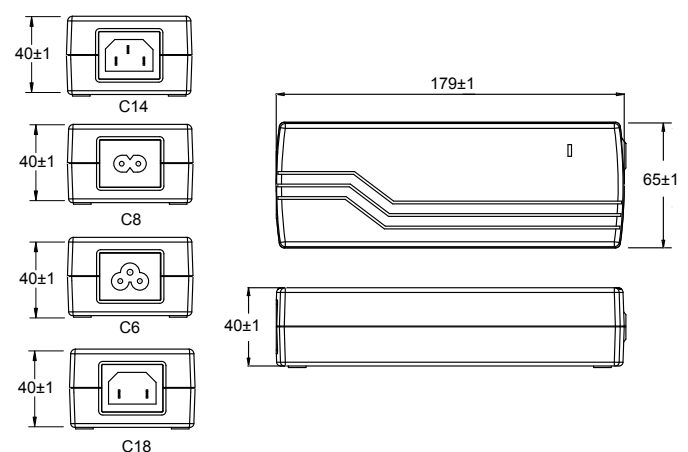
ENVIRONMENTAL

- 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