

# EM1101 Series

AC/DC Medical Desk Top Type  
• 80~130Watts 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 > 100,000 hours

## EM1101X 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
EM1101xA	80W	12~16V	0A	6.66A	± 5%	± 1%	240mV
EM1101xB	90W	12~16V	0A	7.5A	± 5%	± 1%	240mV
EM1101xC	90W	19~24V	0A	4.73A	± 5%	± 1%	360mV
EM1101xD	100W	12~16V	0A	8.33A	± 5%	± 1%	240mV
EM1101xE	100W	19~24V	0A	5.26A	± 5%	± 1%	360mV
EM1101xF	110W	12~16V	0A	9.16A	± 5%	± 1%	240mV
EM1101xG	110W	19~24V	0A	5.78A	± 5%	± 1%	360mV
EM1101xH	120W	12~16V	0A	10A	± 5%	± 1%	240mV
EM1101xM	120W	19~24V	0A	6.31A	± 5%	± 1%	360mV
EM1101xN	100W	48~56V	0A	2.08A	± 5%	± 1%	840mV
EM1101xP	130W	48~56V	0A	2.70A	± 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 ≤ 2A
- Inrush Current ≤120A 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

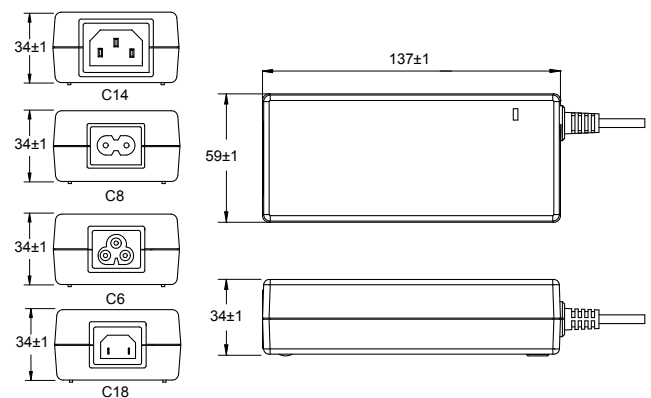
### ENVIRONMENTAL

- 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: 137L x 59W x 34H(mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g