

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

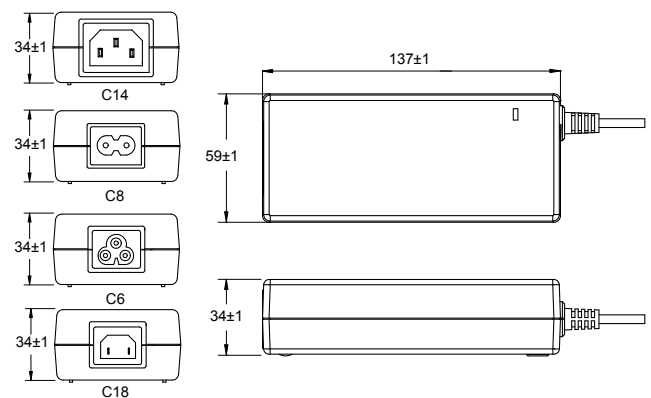
ENVIRONMENTAL

- 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