

## Medical AC/DC Desktop Adapter



### Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Active PFC Function
- Protections:
  - Short circuit / Over voltage / Over current
  - Over Temperature
- Energy Efficiency Level VI
- No Load Power Consumption  $\leq 0.21W$
- MTBF > 100,000 hours

### EM1101 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18  
**Y:** Output range  
**vv:** Specified output voltage, i.e. 12 is 12VDC  
**PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

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	$\pm 5\%$	$\pm 1\%$	240mV
EM1101xB	90W	12~16V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101xC	90W	19~24V	0A	4.73A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101xD	100W	12~16V	0A	8.33A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101xE	100W	19~24V	0A	5.26A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101xF	110W	12~16V	0A	9.16A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101xG	110W	19~24V	0A	5.78A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101xH	120W	12~16V	0A	10A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101xM	120W	19~24V	0A	6.31A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101xN	100W	48~56V	0A	2.08A	$\pm 5\%$	$\pm 1\%$	840mV
EM1101xP	130W	48~56V	0A	2.70A	$\pm 5\%$	$\pm 1\%$	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  $\pm 10\%$  of input voltage from nominal line at rated load.
- 3 : Max. Power (W)  $\geq V_o \times I_o$

### Electrical Specification

#### INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current:  $\leq 2.0A$
- Inrush Current: 60A/100VAC 120A/230VAC
- Hold Up Time:  $\geq 8.3ms$
- Turn On Time:  $\leq 3s$

#### OUTPUT

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

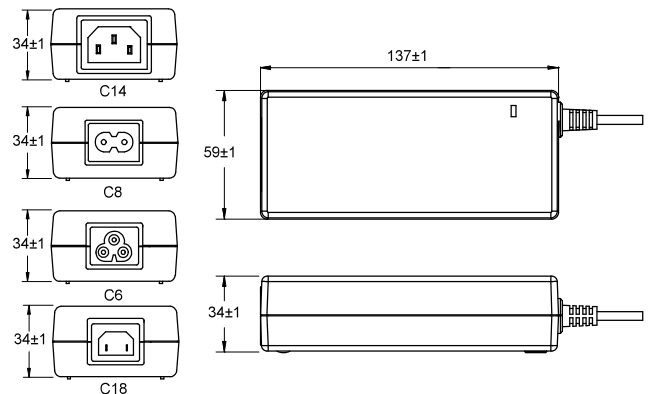
#### ENVIRONMENT

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

#### SAFETY

- Certified for whole series: UL/cUL 60601-1, TUV EN 60601-1, CB IEC 60601-1, FCC, CE
- Certified for assigned models: CCC, PSE, RCM, NRCAN

### Mechanical Specification



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