

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 > 50,000 hours

EM1250 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 |
|-----------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EM1250xA | 160W | 12V~18V | 0A | 13.33A | $\pm 5\%$ | $\pm 1\%$ | 300mV |
| EM1250xB | 180W | 12V~18V | 0A | 15.00A | $\pm 5\%$ | $\pm 1\%$ | 300mV |
| EM1250xC | 180W | 19V~28V | 0A | 9.47A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EM1250xD | 200W | 12V~18V | 0A | 16.66A | $\pm 5\%$ | $\pm 1\%$ | 300mV |
| EM1250xE | 200W | 19V~28V | 0A | 10.52A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EM1250xF | 200W | 32V~42V | 0A | 6.25A | $\pm 5\%$ | $\pm 1\%$ | 450mV |
| EM1250xG | 200W | 44V~56V | 0A | 4.54A | $\pm 5\%$ | $\pm 1\%$ | 600mV |
| EM1250xH | 220W | 12V~18V | 0A | 18.33A | $\pm 5\%$ | $\pm 1\%$ | 300mV |
| EM1250xJ | 220W | 19V~28V | 0A | 11.57A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EM1250xK | 220W | 32V~42V | 0A | 6.87A | $\pm 5\%$ | $\pm 1\%$ | 450mV |
| EM1250xL | 220W | 44V~56V | 0A | 5A | $\pm 5\%$ | $\pm 1\%$ | 600mV |
| EM1250xM | 230W | 19V~28V | 0A | 12.10A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EM1250xN | 230W | 32V~42V | 0A | 7.18A | $\pm 5\%$ | $\pm 1\%$ | 450mV |
| EM1250xP | 230W | 44V~56V | 0A | 5.22A | $\pm 5\%$ | $\pm 1\%$ | 600mV |
| EM1250xQ | 250W | 19V~28V | 0A | 13.15A | $\pm 5\%$ | $\pm 1\%$ | 350mV |
| EM1250xR | 250W | 32V~42V | 0A | 7.81A | $\pm 5\%$ | $\pm 1\%$ | 450mV |
| EM1250xS | 250W | 44V~56V | 0A | 5.68A | $\pm 5\%$ | $\pm 1\%$ | 600mV |

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: 3.5A to 2.5A
- Inrush Current: 70A/100VAC 140A/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

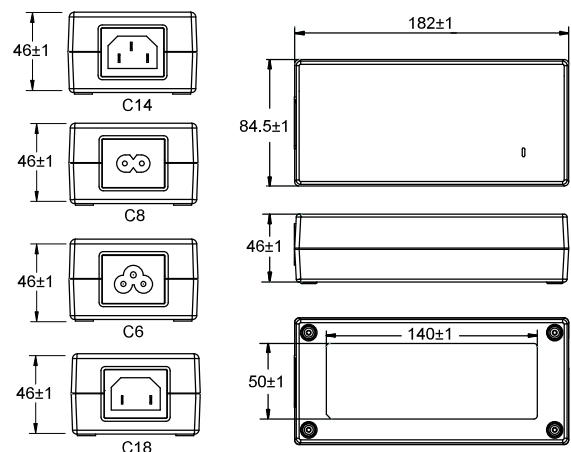
ENVIRONMENT

- 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: NRCAN

Mechanical Specification



- Case Size: 182L x 84.5W x 46H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1000g