

Medical AC/DC Desktop Adapter

160 ~ 250 W Max.

- 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



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 5.5x2.1 mm or other options (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
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 0.1 uF 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) $\geq V_o \times I_o$

EM1250 Series

Electrical Specifications

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 $\geq 8.3\text{ms}$
- Turn On Time $\leq 3\text{s}$

Environment

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

Output

- Short Circuit Protection Auto recovery
- Over Voltage Protection Latch-off
- Over Current Protection Auto recovery
- Over Temperature Protection Latch-off

Safety

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

Mechanical Specifications

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

