

Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- 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

EM1170 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 O1 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1170XA	130W	12~16V	0A	10.83A	± 5%	± 1%	240mV
EM1170XB	130W	19~24V	0A	6.84A	± 5%	± 1%	360mV
EM1170XC	140W	12~16V	0A	11.66A	± 5%	± 1%	240mV
EM1170XD	140W	19~24V	0A	7.36A	± 5%	± 1%	360mV
EM1170XE	150W	12~16V	0A	12.5A	± 5%	± 1%	240mV
EM1170XF	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EM1170XG	150W	32~42V	0A	4.68A	± 5%	± 1%	630mV
EM1170XH	150W	44~56V	0A	3.12A	± 5%	± 1%	840mV
EM1170XJ	130W	32~42V	0A	4.06A	± 5%	± 1%	640mV
EM1170XK	130W	44~56V	0A	2.95A	± 5%	± 1%	840mV
EM1170XM	160W	12~16V	0A	13.33A	± 5%	± 1%	240mV
EM1170XN	160W	19~24V	0A	8.42A	± 5%	± 1%	360mV
EM1170XP	170W	19~24V	0A	8.94A	± 5%	± 1%	360mV
EM1170XQ	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EM1170XR	180W	32~42V	0A	5.62A	± 5%	± 1%	630mV
EM1170XS	180W	44~56V	0A	3.75A	± 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 $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 2.5A$
- Inrush Current $\leq 120A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

PROTECTION

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

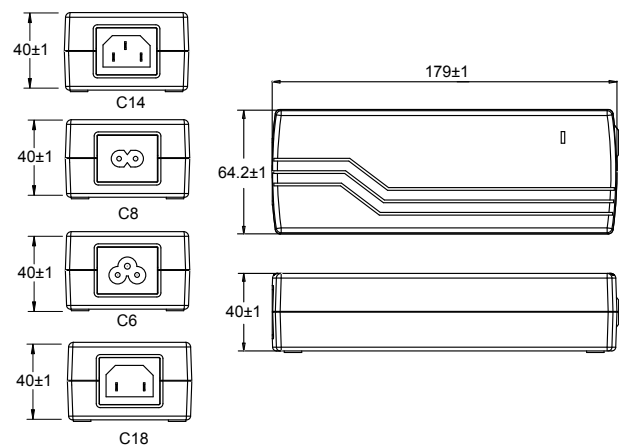
ENVIRONMENT

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

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: RCM, CU, NRCAN

MECHANICAL



- Case Size: 179L x 64.2W x 40H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 705g