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 ≤ 0.21 W
- MTBF > 50,000 hours

EM1300 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)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1300XA	230W	12~18V	0A	19.16A	± 5%	± 1%	240mV
EM1300XB	240W	12~18V	0A	20A	± 5%	± 1%	240mV
EM1300XC	250.2W	12~18V	0A	20.85A	± 5%	± 1%	240mV
EM1300XD	260W	19~28V	0A	13.68A	± 5%	± 1%	360mV
EM1300XE	270W	19~28V	0A	14.21A	± 5%	± 1%	360mV
EM1300XF	270W	32~42V	0A	8.43A	± 5%	± 1%	630mV
EM1300XG	270W	44~56V	0A	6.13A	± 5%	± 1%	840mV
EM1300XH	280W	19~28V	0A	14.73A	± 5%	± 1%	360mV
EM1300XM	290W	19~28V	0A	15.26A	± 5%	± 1%	360mV
EM1300XN	300W	19~28V	0A	15.78A	± 5%	± 1%	360mV
EM1300XP	310W	32~42V	0A	9.68A	± 5%	± 1%	630mV
EM1300XQ	310W	44~56V	0A	7.04A	± 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. Power (W) ≥ Vo x Io

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current 5A to 2.5A
- Inrush Current ≤ 140A/230VAC
- Hold Up Time ≥ 8.3ms
- Turn On Time ≤ 3s

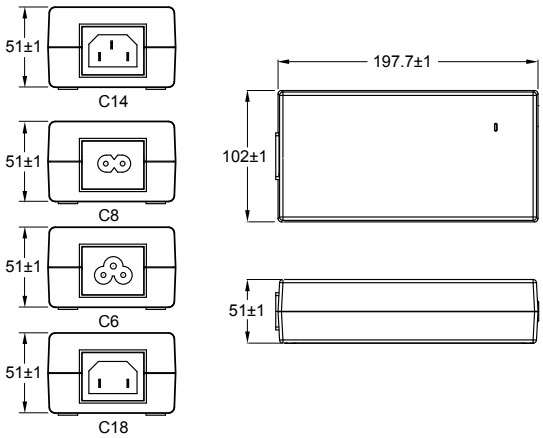
PROTECTION

- 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%

MECHANICAL



- Case Size: 197.7L x 102W x 51H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1350g

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) FCC Part 15B, CE EMC(EN 55032+EN 55035)