FDM310 SERIES

230 ~ 310 Watts Single Output AC-DC Adaptor Medical Power

FEATURES

- Universal AC input / Full range
- No load power consumption< 0.21W
- 2 x MOPP compliance
- LED Indicator
- Protections: OCP, OVP, OTP, Short Circuit
- LPS compliance ; Energy efficiency level VI
- Active PFC function
- MTBF > 50K hours

SPECIFICATIONS

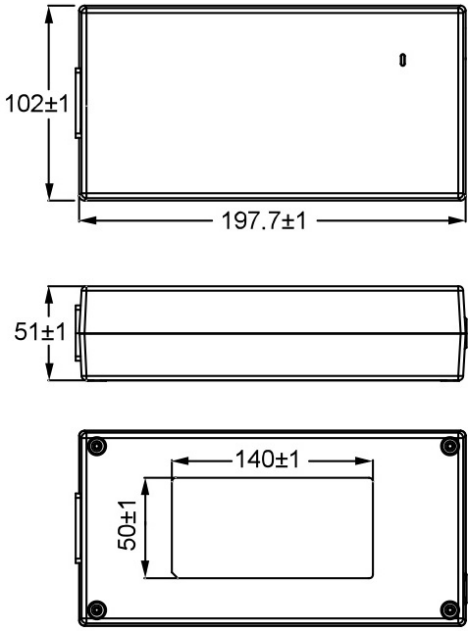
Input Voltage..... 100~240VAC
Input Frequency..... 50~60Hz
Input Current..... 5A to 2.5A
Inrush Current..... 75A/100VAC ; 140A/230VAC
Turn On / Hold Up Time..... 3s max. / 8.3ms min.
Operating Temperature.....0℃ to +40℃
Storage Temperature ..... -20℃ to +85℃
OCP, Short Circuit Protection..... Auto Recovery
OVP, Over Temp. Protection..... Latch-Off
Operating Humidity..... 10% to 90%
Storage Humidity..... 5% to 95%
Safety Standard..... ANSI/AAMI ES60601-1:2005/(R)2012
CAN/CSA-C22.2 No. 60601-1:14
Safety Meets..... IEC60601-1:2005+A1:2012 ; EN60601-1:2006+A1:2013
EMC Standard..... EN55011, FCC PART 15 class B, CISPR PUB.22,
EN60601-1-2, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11

All specifications are typical at nominal line, full load and 25℃; unless otherwise noted.

Model Number	Output Voltage (VDC)	Output Current (A) max.	R & N Vp-p(mV) max.	Max. Watts
FDM310-S12A-x	12-18	13.33	240	230W
FDM310-S12B-x	12-18	20.00	240	240W
FDM310-S12C-x	12-18	20.85	240	250W
FDM310-S24D-x	19-28	13.68	360	260W
FDM310-S24E-x	19-28	14.21	360	270W
FDM310-S24H-x	19-28	14.73	360	280W
FDM310-S24M-x	19-28	15.26	360	290W
FDM310-S24N-x	19-28	15.78	360	300W
FDM310-S36F-x	32-42	8.43	630	270W
FDM310-S36P-x	32-42	9.68	630	310W
FDM310-S48G-x	44-56	6.13	840	270W
FDM310-S48Q-x	44-56	7.04	840	310W

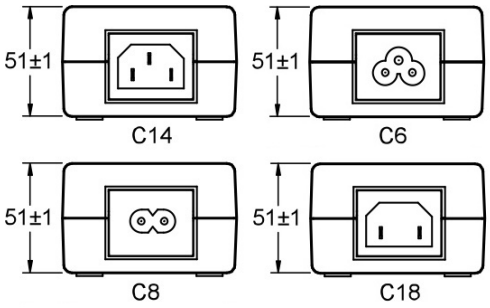
Ordering Information:
* x for AC inlet type, it can be 4, 5, 6 or 8
4 = IEC C14, 5 = IEC C18, 6 = IEC C6, 8 = IEC C8

MECHANICAL DRAWING (Unit: mm)



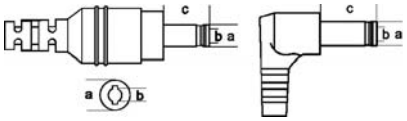
Case size : 197.7 x 102 x 51 mm

AC Inlet :

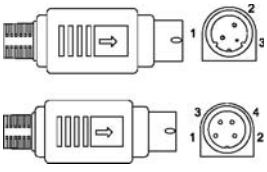


DC Connector :

Barrel jack for < 8.5A only



x	a x b x c
01	5.5 x 2.1 x 9 mm
02	5.5 x 2.1 x 10 mm
03	5.5 x 2.1 x 11 mm
04	5.5 x 2.5 x 9 mm
05	5.5 x 2.5 x 10 mm
06	5.5 x 2.5 x 11 mm

※ Other DC jack can also be customized by extra charge

Power Mini Din for > 8.5A