

## 84 ~ 100 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 > 100K hours

### SPECIFICATIONS

|                                         |                                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------|
| Input Voltage.....                      | 100~240VAC                                                                                          |
| Input Frequency.....                    | 50~60Hz                                                                                             |
| Input Current.....                      | 2.5A max.                                                                                           |
| Inrush Current.....                     | 60A/100VAC ; 120A/230VAC                                                                            |
| Turn On / Hold Up Time.....             | 3s max. / 8.3s min.                                                                                 |
| Operating Temperature.....              | 0°C to +40°C                                                                                        |
| Storage Temperature .....               | -20°C to +85°C                                                                                      |
| OCP, OVP, Short Circuit Protection..... | Auto Recovery                                                                                       |
| Over Temp. Protection.....              | Latch-Off                                                                                           |
| Operating Humidity.....                 | 10% to 90%                                                                                          |
| Storage Humidity.....                   | 5% to 95%                                                                                           |
| Safety Standard.....                    | ANSI/AAMI ES60601-1:2005/(R)2012<br>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,<br>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°C;  
unless otherwise noted.

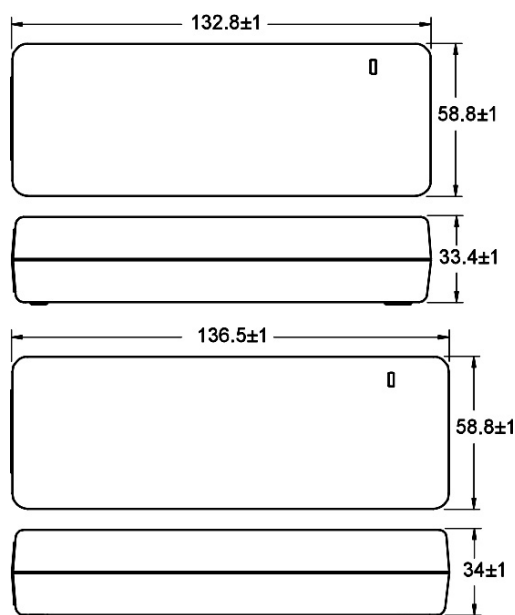


| Model Number  | Output Voltage (VDC) | Output Current (A) max. | R & N Vp-p(mV) max. | Max. Watts |
|---------------|----------------------|-------------------------|---------------------|------------|
| FDM100-S12C-x | 12-18                | 7.00                    | 270                 | 84W        |
| FDM100-S12F-x | 12-18                | 7.50                    | 270                 | 90W        |
| FDM100-S24D-x | 18-24                | 4.44                    | 360                 | 80W        |
| FDM100-S24E-x | 18-24                | 5.00                    | 360                 | 90W        |
| FDM100-S36G-x | 32-42                | 2.50                    | 630                 | 80W        |
| FDM100-S36J-x | 32-42                | 2.81                    | 630                 | 90W        |
| FDM100-S36L-x | 32-42                | 3.12                    | 630                 | 100W       |
| FDM100-S48H-x | 44-56                | 1.81                    | 840                 | 80W        |
| FDM100-S48K-x | 44-56                | 2.04                    | 840                 | 90W        |
| FDM100-S48M-x | 44-56                | 2.27                    | 840                 | 100W       |

#### Ordering Information:

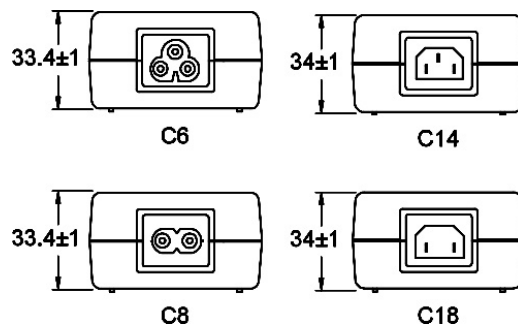
\* x for AC inlet type, it can be 4, 5, 6 or 8  
4 = IEC C14, 5 = IEC C18, 6 = IEC C6, 8 = IEC C8

### MECHANICAL DRAWING (Unit: mm)



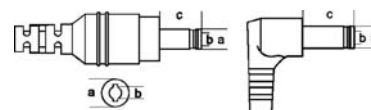
C6, C8 case size : 132.8 x 58.8 x 33.4 mm  
C14, C18 case size : 136.5 x 58.8 x 34 mm

AC Inlet :



DC Connector :

| 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