

## Medical AC/DC Desktop Adapter



### Features

- 100-240VAC Universal Input
- LED Indicator
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Active PFC Function
- Protections:
  - Short circuit / Over voltage / Over current
  - Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption  $\leq 0.21$  W
- MTBF > 100,000 hours

### EM1095 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)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1095xC	84W	12V~18V	0A	7.00A	$\pm 5\%$	$\pm 1\%$	270mV
EM1095xD	80W	18V~24V	0A	4.44A	$\pm 5\%$	$\pm 1\%$	360mV
EM1095xE	90W	18V~24V	0A	5.00A	$\pm 5\%$	$\pm 1\%$	360mV
EM1095xF	90W	12V~18V	0A	7.50A	$\pm 5\%$	$\pm 1\%$	270mV
EM1095xG	80W	32V~42V	0A	2.50A	$\pm 5\%$	$\pm 1\%$	630mV
EM1095xH	80W	44V~56V	0A	1.81A	$\pm 5\%$	$\pm 1\%$	840mV
EM1095xJ	90W	32V~42V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	630mV
EM1095xK	90W	44V~56V	0A	2.04A	$\pm 5\%$	$\pm 1\%$	840mV
EM1095xL	100W	32V~42V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	630mV
EM1095xM	100W	44V~56V	0A	2.27A	$\pm 5\%$	$\pm 1\%$	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)  $\geq V_o \times I_o$

### Electrical Specification

#### INPUT

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

#### OUTPUT

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

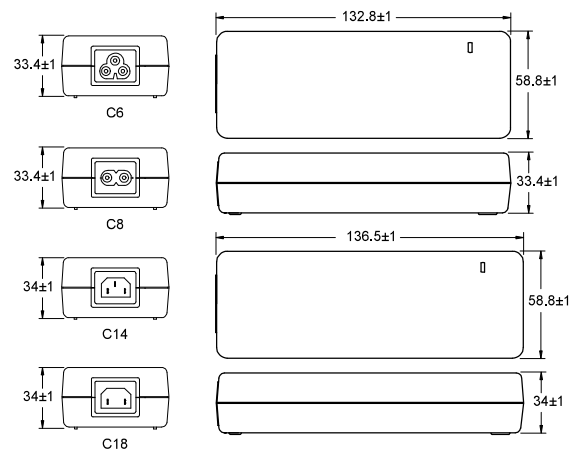
#### ENVIRONMENT

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

#### 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 Specification



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C6, C8
- Case Size: 136.5L x 58.8W x 34H (mm) for AC inlet C14, C18
- Weight: 420g