

## Medical AC/DC Desktop Adaptor



### Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- LPS Compliance
- Protections:
  - Short circuit / Over voltage / Over current
  - Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption
  - Less than 50W:  $\leq 0.1W$
  - More than (includes) 50W:  $\leq 0.21W$
- MTBF > 100,000 hours

### EM1068 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
EM1068XA	25W	5~9V	0A	5A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XB	40W	12~16V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XC	40W	18~24V	0A	2.1A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XD	40W	32~42V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XE	40W	44~56V	0A	0.9A	$\pm 5\%$	$\pm 1\%$	840mV
EM1068XF	30W	5~9V	0A	6A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XG	50W	12~16V	0A	4.16A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XH	50W	18~24V	0A	2.63A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XJ	50W	32~42V	0A	1.56A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XK	50W	44~56V	0A	1.13A	$\pm 5\%$	$\pm 1\%$	840mV
EM1068XW	40W	5~9V	0A	8A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XM	35W	5~9V	0A	7A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XN	60W	12~16V	0A	5A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XP	60W	18~24V	0A	3.15A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XQ	60W	32~42V	0A	1.87A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XR	60W	44~56V	0A	1.36A	$\pm 5\%$	$\pm 1\%$	840mV
EM1068XY	65W	12~16V	0A	5.42A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XS	45W	5~9V	0A	9A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XU	72W	12~16V	0A	6A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XV	72W	18~24V	0A	3.78A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XL	72W	32~42V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XT	72W	44~56V	0A	1.63A	$\pm 5\%$	$\pm 1\%$	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)  $\geq V_o \times I_o$

#### INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current  $\leq 2A$
- 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 / Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Optional

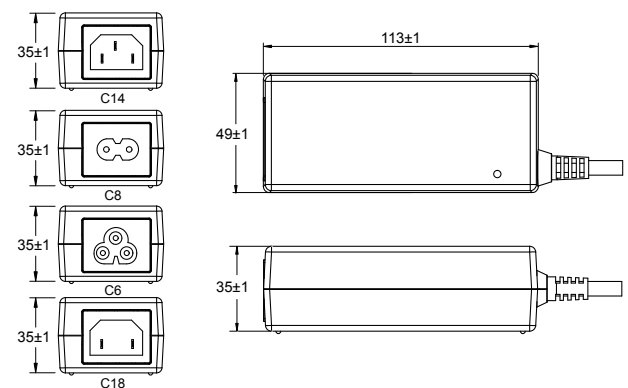
#### ENVIRONMENT

- 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: NRCAN

#### MECHANICAL



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g