

## Medical / ITE GaN PD Charger (USB Type-C)



### Features

- 2 x MOPP, IEC/EN60601-1 Approval
- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Protections:  
Short circuit / Over voltage / Over current  
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption  $\leq 0.21W$  (VI)
- MTBF > 100,000 hours
- PD 3.0 USB Power Delivery Function
- Customized Solutions Available

### EUM110A X Y - w PP

**X:** AC inlet: 1. C14 2. C8 3. C6 6. C18

**Y:** Output range

**PP:** DC plug code 92 for USB Type-C

### General Specification

#### OUTPUT

| MODEL No. | MAX. OUTPUT POWER (W) | OUTPUT VOLTAGE (Vo) | MIN. LOAD (Io) | MAX. LOAD (Io) | LOAD REGULATION | LINE REGULATION | RIPPLE & NOISE |
|-----------|-----------------------|---------------------|----------------|----------------|-----------------|-----------------|----------------|
| EUM110AXA | 100W                  | 5V                  | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 100mV          |
|           |                       | 9V                  | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 180mV          |
|           |                       | 12V                 | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 240mV          |
|           |                       | 15V                 | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 300mV          |
|           |                       | 20V                 | 0A             | 5A             | $\pm 5\%$       | $\pm 1\%$       | 360mV          |
| EUM110AXB | 85W                   | 5V                  | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 100mV          |
|           |                       | 9V                  | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 180mV          |
|           |                       | 12V                 | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 240mV          |
|           |                       | 15V                 | 0A             | 3A             | $\pm 5\%$       | $\pm 1\%$       | 300mV          |
|           |                       | 20V                 | 0A             | 4.25A          | $\pm 5\%$       | $\pm 1\%$       | 360mV          |

#### 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:  $\leq 3s$

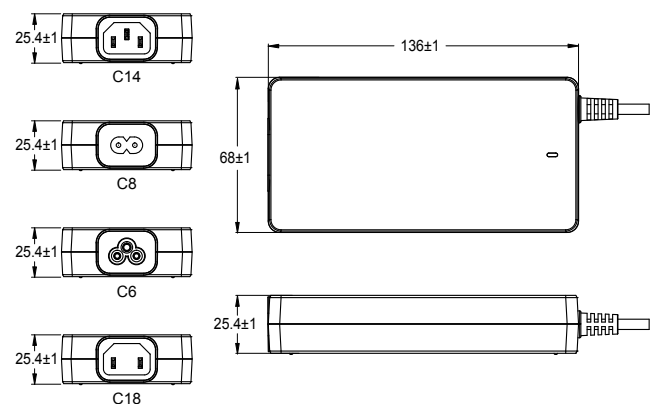
#### PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

#### 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: 136L x 68W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

#### 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