

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

Feature

- 2 x MOPP, IEC/EN60601-1 Compliance
- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:  
Short circuit / Over voltage / Over current  
Over temperature (optional)
- Energy Efficiency Level VI, CoC Tier II
- No Load Power Consumption ≤0.21W(VI) ,  
≤0.15W(CoC Tier II)
- MTBF > 100,000 hours
- P.D. 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EUM106A X R - PP

- X: Output range  
R: Interchangeable AC plug:  
• U: USA • E: EU • K: UK • A: SAA • C: China  
• S: South Africa • B: Korea • I: India  
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 |
|-----------|-----------------------|---------------------|---------------|---------------|-----------------|-----------------|----------------|
| EUM106AAR | 45W                   | 5V                  | 0A            | 3A            | ± 5%            | ± 1%            | 120mV          |
|           |                       | 9V                  | 0A            | 3A            | ± 5%            | ± 1%            | 150mV          |
|           |                       | 12V                 | 0A            | 3A            | ± 5%            | ± 1%            | 180mV          |
|           |                       | 15V                 | 0A            | 3A            | ± 5%            | ± 1%            | 200mV          |
|           |                       | 20V                 | 0A            | 2.25A         | ± 5%            | ± 1%            | 240mV          |
| EUM106ABR | 65W                   | 5V                  | 0A            | 3A            | ± 5%            | ± 1%            | 120mV          |
|           |                       | 9V                  | 0A            | 3A            | ± 5%            | ± 1%            | 150mV          |
|           |                       | 12V                 | 0A            | 3A            | ± 5%            | ± 1%            | 180mV          |
|           |                       | 15V                 | 0A            | 3A            | ± 5%            | ± 1%            | 200mV          |
|           |                       | 20V                 | 0A            | 3.25A         | ± 5%            | ± 1%            | 240mV          |

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 ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

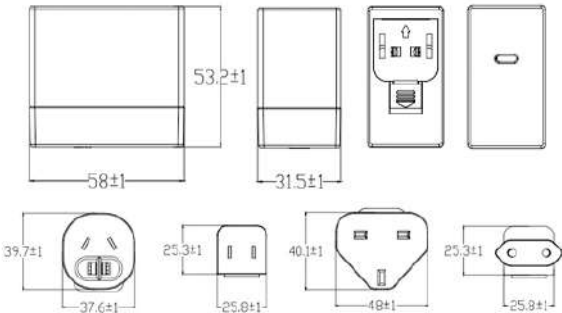
INPUT

- Input Range100 to 240 VAC
- Frequency50 to 60 Hz
- Input Current1.5A to 0.4A
- Inrush Current≤ 140A/230VAC
- Hold up time≥ 8.3ms
- Turn On Time≤ 3s

OUTPUT

- Short Circuit ProtectionAuto Recovery
- Over Voltage ProtectionAuto Recovery / Latch-off
- Over Current ProtectionAuto Recovery
- Over Temperature ProtectionAuto Recovery (optional)

MECHANICAL



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ENVIRONMENT

- |                         |             |                                                   |
|-------------------------|-------------|---------------------------------------------------|
| • Operating Temperature | -20 to 40°C |                                                   |
| • Storage Temperature   | -20 to 85°C | • Case Size: 58L x 53.2W x 31.5H (mm)             |
| • Operating Humidity    | 10% to 90 % | • AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China |
| • Storage Humidity      | 5% to 95 %  | S: South Africa, B: Korea, I: India               |
|                         |             | • Weight: 180g                                    |

SAFETY

- Complied with 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