

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Compliance
- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency up to 93%
- No Load Power Consumption $\leq 0.21W$ (VI) , $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EM1107 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
EM1107XA	100W	12~16V	0A	8.33A	± 5%	± 1%	240mV
EM1107XB	100W	19~24V	0A	5.26A	± 5%	± 1%	360mV
EM1107XC	100W	28~36V	0A	3.57A	± 5%	± 1%	540mV
EM1107XD	100W	48~56V	0A	2.08A	± 5%	± 1%	840mV
EM1107XE	120W	12~16V	0A	10A	± 5%	± 1%	240mV
EM1107XF	120W	19~24V	0A	6.31A	± 5%	± 1%	360mV
EM1107XG	120W	28~36V	0A	4.28A	± 5%	± 1%	540mV
EM1107XH	120W	48~56V	0A	2.5A	± 5%	± 1%	840mV
EM1107XM	130W	19~24V	0A	6.84A	± 5%	± 1%	360mV
EM1107XN	130W	28~36V	0A	4.64A	± 5%	± 1%	540mV
EM1107XP	130W	48~56V	0A	2.7A	± 5%	± 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 60 Hz
- Input Current: $\leq 2A$
- Inrush Current: $\leq 120A/230VAC$
- Hold up time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

OUTPUT

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

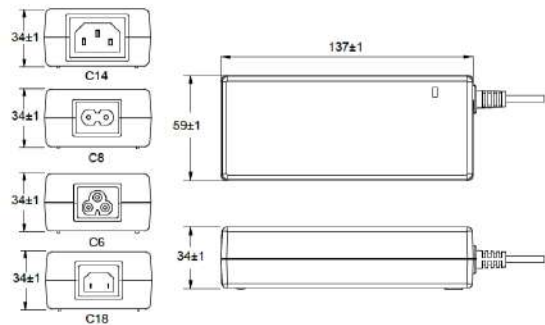
ENVIRONMENT

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

SAFETY

- 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

MECHANICAL



- Case Size: 137L x 59H x 34H (mm)
- AC Inlet : C14, C8, C6, C18
- Weight: 450g