

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- Compact Size
- LED Indicator
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EM1180 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
EM1180XA	135W	12~15V	0A	11.25A	$\pm 5\%$	$\pm 1\%$	300mV
EM1180XB	135W	19~24V	0A	7.1A	$\pm 5\%$	$\pm 1\%$	360mV
EM1180XC	135W	28~36V	0A	4.82A	$\pm 5\%$	$\pm 1\%$	540mV
EM1180XD	135W	48~56V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	840mV
EM1180XE	150W	12~15V	0A	12.5A	$\pm 5\%$	$\pm 1\%$	300mV
EM1180XF	150W	19~24V	0A	7.89A	$\pm 5\%$	$\pm 1\%$	360mV
EM1180XG	150W	28~36V	0A	5.35A	$\pm 5\%$	$\pm 1\%$	540mV
EM1180XH	150W	48~56V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	840mV
EM1180XJ	170W	12~15V	0A	14.16A	$\pm 5\%$	$\pm 1\%$	300mV
EM1180XK	180W	19~24V	0A	9.47A	$\pm 5\%$	$\pm 1\%$	360mV
EM1180XM	180W	28~36V	0A	6.42A	$\pm 5\%$	$\pm 1\%$	540mV
EM1180XN	180W	48~56V	0A	3.75A	$\pm 5\%$	$\pm 1\%$	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: 2.5A to 0.8A
- Inrush Current: $\leq 120\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 10\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

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

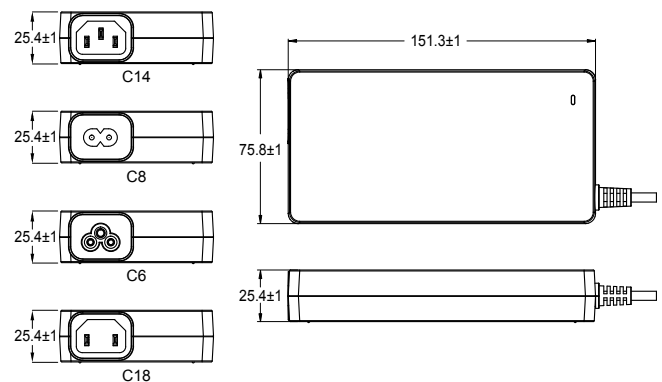
ENVIRONMENT

- 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), CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 480g