

GaN Medical AC/DC DeskTop Type



Features

- 2 x MOPP, IEC/EN60601-1 Compliance
- Gallium Nitride Based Design
- Compact Size
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency up to 93%
- No Load Power Consumption $\leq 0.5W$
- MTBF > 100,000 hours

EM1331 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
EM1331XA	230W	12~15V	0A	19.16A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XB	250W	12~15V	0A	20.83A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XC	280W	12~15V	0A	23.3A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XD	280W	19~24V	0A	14.73A	$\pm 5\%$	$\pm 1\%$	480mV
EM1331XE	280W	28~36V	0A	10A	$\pm 5\%$	$\pm 1\%$	540mV
EM1331XF	280W	48~56V	0A	5.83A	$\pm 5\%$	$\pm 1\%$	840mV
EM1331XG	300W	12~15V	0A	25A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XH	300W	19~24V	0A	15.78A	$\pm 5\%$	$\pm 1\%$	480mV
EM1331XJ	300W	28~36V	0A	10.71A	$\pm 5\%$	$\pm 1\%$	560mV
EM1331XK	300W	48~56V	0A	6.25A	$\pm 5\%$	$\pm 1\%$	840mV
EM1331XM	330W	19~24V	0A	17.36A	$\pm 5\%$	$\pm 1\%$	480mV
EM1331XN	330W	28~36V	0A	11.78A	$\pm 5\%$	$\pm 1\%$	560mV
EM1331XP	330W	48~56V	0A	6.87A	$\pm 5\%$	$\pm 1\%$	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 60 Hz
- Input Current: 5A to 2.5A
- Inrush Current: $\leq 180A/230VAC$
- Hold Up time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

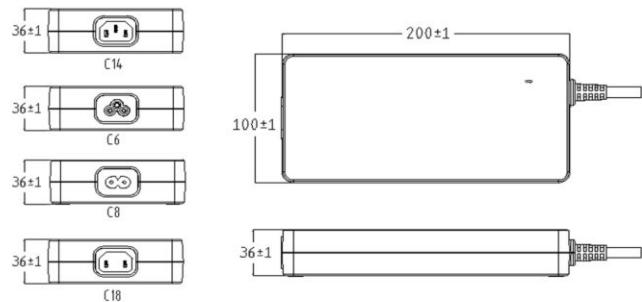
PROTECTION

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

ENVIRONMENTAL

- 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: 200L x 100W x 36H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 950g

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