

Medical / ITE Open Frame



Features

- 2.85" x 1.72" Compact Size
- 2 x MOPP, IEC/EN60601-1 Compliance
- Protections :
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency $\geq 88\%$ ~90% depends on models
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours
- Low Leakage Current
- Customized Solutions Available

EPM104A U - XX YY

- U: Output range
 XX: Specified output voltage, i.e. 12 is 12VDC
 YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD(Io)	MAX. LOAD(Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EPM104AA	30W	12~15V	0A	2.5A	$\pm 2\%$	$\pm 1\%$	240mV
EPM104AB	30W	19~24V	0A	1.57A	$\pm 2\%$	$\pm 1\%$	360mV
EPM104AC	30W	28~36V	0A	1.07A	$\pm 2\%$	$\pm 1\%$	540mV
EPM104AD	30W	48~56V	0A	0.62A	$\pm 2\%$	$\pm 1\%$	840mV
EPM104AE	40W	12~15V	0A	3.33A	$\pm 2\%$	$\pm 1\%$	240mV
EPM104AF	40W	19~24V	0A	2.1A	$\pm 2\%$	$\pm 1\%$	360mV
EPM104AG	40W	28~36V	0A	1.42A	$\pm 2\%$	$\pm 1\%$	540mV
EPM104AH	40W	48~56V	0A	0.83A	$\pm 2\%$	$\pm 1\%$	840mV
EPM104AJ	48W	12~15V	0A	4A	$\pm 2\%$	$\pm 1\%$	240mV
EPM104AK	48W	19~24V	0A	2.52A	$\pm 2\%$	$\pm 1\%$	360mV
EPM104AL	48W	28~36V	0A	1.71A	$\pm 2\%$	$\pm 1\%$	540mV
EPM104AM	48W	48~56V	0A	1A	$\pm 2\%$	$\pm 1\%$	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: $\leq 1.5A$
- Inrush Current: $\leq 140A/230VAC$
- Hold UP Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

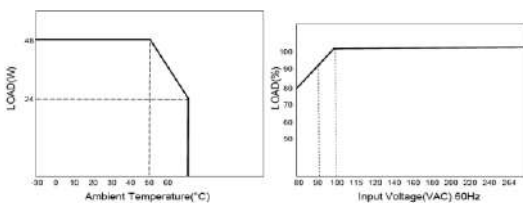
PROTECTION

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

ENVIRONMENTAL

- Operating Temperature: -20 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

DERATING CURVE

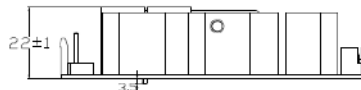
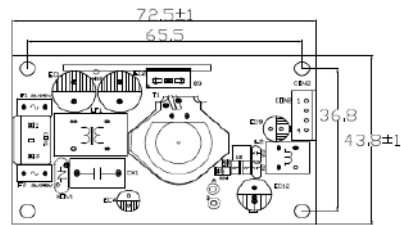


SAFETY

- 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

Above safety certificates are for reference only. Please contact our sales department for more details.

MECHANICAL



- Mechanical Size: 72.5Lx 43.8W x 22H (mm)
- AC Input Connector : JST B3P-VH or equivalent
- DC Input Connector : JST B4B-XH or equivalent
- Pin Assignment:

AC Input Connector:

DC Input Connector:

Pin No.	Assignment	Pin No.	Assignment
1	AC L	1, 2	+V
2	No Pin	3, 4	-V
3	AC N		

- Weight: 56.8g