

Medical / ITE Open Frame



Features

- 3" x 2" Compact Size
- 2 x MOPP, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency $\geq 90\%$ ~92% depends on models
- No Load Power Consumption $\leq 0.3W$
- MTBF > 100,000 hours
- Low Leakage Current
- 120W Convection / 150W Peak Load 10s / 150W Forced Air
- Customized Solutions Available

EPM1122 U - XX YY

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

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)			OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)			LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Peak(10s)	Forced air 10CFM			Convection	Peak(10s)	Forced air 10CFM			
EPM1122A	100W	130W	130W	12V	0A	8.33A	10.83A	10.83A	$\pm 1\%$	$\pm 0.5\%$	100mV
EPM1122B	100W	130W	130W	15V	0A	6.66A	8.66A	8.66A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1122C	100W	130W	130W	24V	0A	4.16A	5.41A	5.41A	$\pm 1\%$	$\pm 0.5\%$	150mV
EPM1122D	100W	130W	130W	27V	0A	3.7A	4.81A	4.81A	$\pm 1\%$	$\pm 0.5\%$	150mV
EPM1122E	100W	130W	130W	36V	0A	2.77A	3.61A	3.61A	$\pm 1\%$	$\pm 0.5\%$	200mV
EPM1122F	100W	130W	130W	48V	0A	2.08A	2.7A	2.7A	$\pm 1\%$	$\pm 0.5\%$	200mV
EPM1122G	114W	142W	142W	12V	0A	9.5A	11.83A	11.83A	$\pm 1\%$	$\pm 0.5\%$	100mV
EPM1122H	114W	142W	142W	15V	0A	7.6A	9.46A	9.46A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1122J	120W	150W	150W	24V	0A	5A	6.25A	6.25A	$\pm 1\%$	$\pm 0.5\%$	150mV
EPM1122K	120W	150W	150W	27V	0A	4.44A	5.55A	5.55A	$\pm 1\%$	$\pm 0.5\%$	150mV
EPM1122L	120W	150W	150W	36V	0A	3.33A	4.16A	4.16A	$\pm 1\%$	$\pm 0.5\%$	200mV
EPM1122M	120W	150W	150W	48V	0A	2.5A	3.12A	3.12A	$\pm 1\%$	$\pm 0.5\%$	200mV

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: 2.5 A to 0.5A
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 15ms$
- Turn On Time: $\leq 600ms$

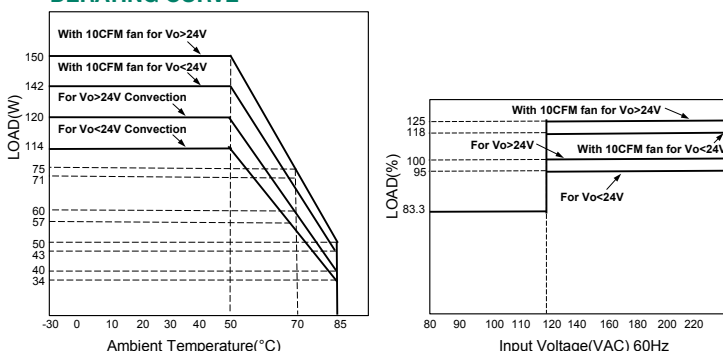
PROTECTION

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

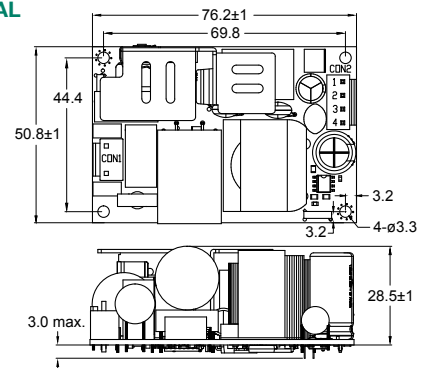
ENVIRONMENT

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

DERATING CURVE



MECHANICAL



- Mechanical Size: 76.2L x 50.8W x 28.5H (mm)
- AC Input Connector: JST VHR Series or equivalent
- DC Output Connector: JST VHR Series or equivalent
- Pin Assignment:

AC Input Connector:

Pin No.	Assignment
1	AC/L
2	No Pin
3	AC/N

DC Output Connector:

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

- Weight: 200g

SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1