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 ≥ 90%~92% depends on models
- No Load Power Consumption ≤ 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	± 1%	± 0.5%	100mV
EPM1122B	100W	130W	130W	15V	0A	6.66A	8.66A	8.66A	± 1%	± 0.5%	120mV
EPM1122C	100W	130W	130W	24V	0A	4.16A	5.41A	5.41A	± 1%	± 0.5%	150mV
EPM1122D	100W	130W	130W	27V	0A	3.7A	4.81A	4.81A	± 1%	± 0.5%	150mV
EPM1122E	100W	130W	130W	36V	0A	2.77A	3.61A	3.61A	± 1%	± 0.5%	200mV
EPM1122F	100W	130W	130W	48V	0A	2.08A	2.7A	2.7A	± 1%	± 0.5%	200mV
EPM1122G	114W	142W	142W	12V	0A	9.5A	11.83A	11.83A	± 1%	± 0.5%	100mV
EPM1122H	114W	142W	142W	15V	0A	7.6A	9.46A	9.46A	± 1%	± 0.5%	120mV
EPM1122J	120W	150W	150W	24V	0A	5A	6.25A	6.25A	± 1%	± 0.5%	150mV
EPM1122K	120W	150W	150W	27V	0A	4.44A	5.55A	5.55A	± 1%	± 0.5%	150mV
EPM1122L	120W	150W	150W	36V	0A	3.33A	4.16A	4.16A	± 1%	± 0.5%	200mV
EPM1122M	120W	150W	150W	48V	0A	2.5A	3.12A	3.12A	± 1%	± 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 ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2.5 A to 0.5A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 15ms
• Turn On Time	≤ 600ms

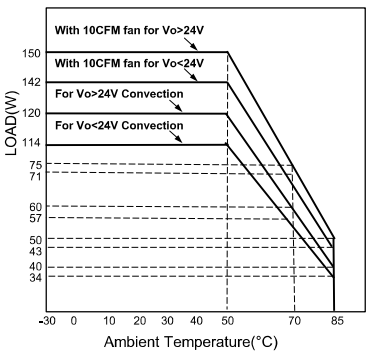
PROTECTION

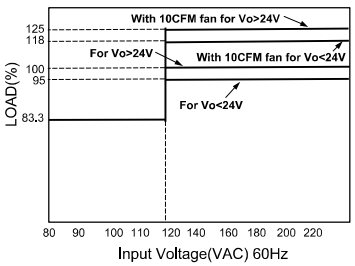
• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

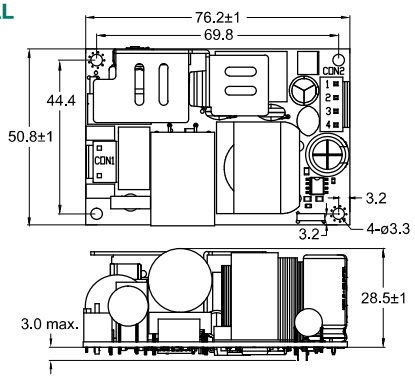
• Operating Temperature	-20 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

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