

FEATURES

- Single Output
- 2 Year Warranty
- Class II Insulation
- Internal EMI Filter
- Dimensions: 4 x 1.5 x 0.83 Inches
- Output Voltages Available from 5VDC thru 40VDC
- Wide Input Voltage Range: 90 to 264VAC, 47 to 63Hz
- Input Surge Current, Over Voltage, and Over Load Protection





c**₩**s (**€ F**© CB [A EN 60001-1]

DESCRIPTION

The PSMBU31 series of AC/DC medical power supplies provides 30 Watts of continuous output power in a compact, open frame constructed design. All models have a single output and a universal input. These power supplies meet FCC Part-18 class B and CISPR-11 EN55011 class B emission limits. They are also designed to comply with UL/cUL (UL60601-1), TUV/T-mark (EN60601-1) and new CE requirements. This series is best suited for use in Home health care applications. All models are 100% burn in tested.

SPECIFICATIONS: PSMBU31 Series									
		vise noted							
TEST CONDITIONS	Min	Nom	Max	Unit					
			-	VAC					
	47			Hz					
,				Α					
	0.3		_	Α					
		15		Α					
		25		Α					
		0.1		mA					
Io = Full Load, Vin = 100VAC		0.25	0.5	s					
	See Table								
Vin = 230VAC		3	5	%					
Io = Full Load		0.5	1	%					
Vin = 90 to 264VAC	0		30	W					
	See Table								
Full Load, Vin = 90VAC		0.5	1	%					
Io = Full Load to Half Load, Vin = 100VAC			4	ms					
Io = Full Load, Vin = 110VAC	12	18		ms					
	110		150	%					
Io = Full Load, Vin = 230VAC	75	85	89	%					
Primary to Secondary	5600			VDC					
Derate linearly from 100% Load at 40°C to 50% load at 70°C	0	40	+70	ů					
,	-40		+85	°C					
	5		95	%					
	-0.04		+0.04	%/°C					
Operating temperature at 25°C, Calculated per MIL-HDBK-217F		100,00	0 hours						
garage ga		,							
	Aρ	proximate	ely 7oz (20)0g)					
	4.02 x 1.50 x 0.83 inches 102.0 x 38.1 x 21.0 mm								
		<u> </u>							
Vin = 220VAC	В			Class					
				Class					
	lo = Full Load, Vin = 115VAC lo = Full Load, Vin = 230VAC lo = Full Load, Vin = 240VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 240VAC lo = Full Load, Vin = 100VAC lo = Full Load Vin = 90 to 264VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 230VAC lo = Full Load, Vin = 100VAC lo = Full Load, Vin = 230VAC lo = Full Load, Vin = 230VAC lo = Full Load, Vin = 230VAC	Seed on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherseserve the right to change specifications based on technological advances. TEST CONDITIONS	Seed on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted esserve the right to change specifications based on technological advances. TEST CONDITIONS	See					



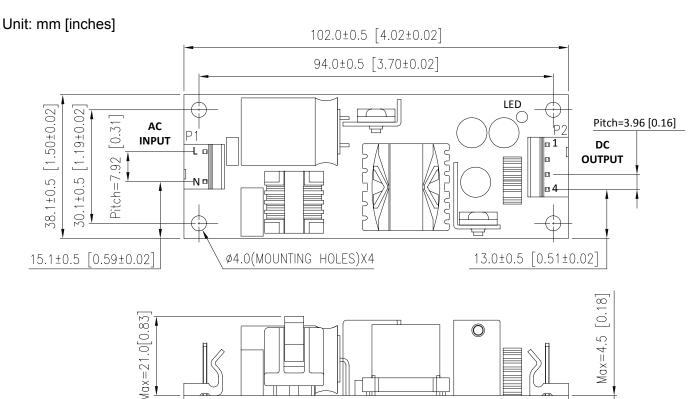
MODEL SELECTION GUIDE

Model Number	Preset Voltage	Output Voltage Range	Output Current	Total Regulation	Maximum Output Power
PSMBU31-102	5 VDC	5 ~ 6VDC	4.00 ~ 3.33A	5%	20W
PSMBU31-103	6 VDC	6 ~ 8VDC	3.83 ~ 2.87A	5%	23W
PSMBU31-104	8 VDC	8 ~ 11VDC	3.37 ~ 2.45A	5%	27W
PSMBU31-105	11 VDC	11 ~ 13VDC	2.72 ~ 2.31A	5%	30W
PSMBU31-106	13 VDC	13 ~ 16VDC	2.31 ~ 1.88A	5%	30W
PSMBU31-107	16 VDC	16 ~ 21VDC	1.88 ~ 1.43A	5%	30W
PSMBU31-108	21 VDC	21 ~ 27VDC	1.43 ~ 1.12A	5%	30W
PSMBU31-109	27 VDC	27 ~ 33VDC	1.12 ~ 0.91A	5%	30W
PSMBU31-110	33 VDC	33 ~ 40VDC	0.91 ~ 0.76A	5%	30W

NOTES

- 1. The output voltage is specified as a range (Ex: 33 ~ 40VDC); the preset voltage will be set as standard models if nothing different is requested. Please contact factory for ordering details.
- 2. Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal.
- 3. Output connector mates with Molex housing 09-50-3041 and Molex 2478 series crimp terminal.

MECHANICAL DRAWING



NOTES:

- 1. Weight: Approximately 7 oz (200g)
- 2. Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal.
- 3. Output connector mates with Molex housing 09-50-3041 and Molex 2478 series crimp terminal.

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