

- Universal AC Input
- 5V to 48V Output Range Across Models
- Very Compact Size
- 100% Full Load Burn In
- Input Surge Current, Over Load, Over Voltage Protection
- Full Approvals: UL/cUL/TUV/CB/CE
- 2 Year Warranty
- Molex Input and Output Connections



**Specification**

Input Voltage.....	90~264 VAC, 47~63 Hz
Input Current...(full load).....	0.5 A @ 230 VAC, 0.8 A @ 115 VAC
Output Voltage.....	See table below
Over Load Protection.....	110~150% of rated current
Over Voltage Protection.....	112~132% of output voltage (crowbar)
Line Regulation.....	0.5% typically @ full load
Load Regulation.....	+/-3% typical @ 230 VAC input
Hold Up Time.....	12 ms @ 110 VAC, Full Load
Leakage Current.....	0.4 mA (0.75 mA max.) @ 240 VAC input and full load
Isolation Voltage.....	I/P-O/P: 3 kVAC,
Operating Temperature.....	-20 °C to +70 °C (100% load to 40 °C, derate to 50% @ 70 °C)
Safety Standards.....	UL/cUL, TUV EN60950-1, CE
EMC Standard.....	EN55022 Class B, EN55024, EN61000-3-2, 3 EN61000-4-2, 3, 4, 5, 6, 8, 11
Dimensions.....	102(L) x 38.1(W) x 25.6(H) including lead throughs

**Models & Ratings**

Model	Output Voltage	Voltage Range (Factory Settable)	Output Current	Maximum Output Power
SBU31-102	5 V	5.0 V - 6.0 V	4.0 A – 3.33 A	20 W
SBU31-103	7 V	6.0 V - 8.0 V	3.83 A – 2.87 A	23 W
SBU31-104	9 V	8.0 V - 11.0 V	3.38 A – 2.45 A	27 W
SBU31-105	12 V	11.0 V - 13.0 V	2.73 A – 2.30 A	30 W
SBU31-106	15 V	13.0 V - 16.0 V	2.30 A – 1.88 A	30 W
SBU31-107	19 V	16.0 V - 21.0 V	1.88 A – 1.43 A	30 W
SBU31-108	24 V	21.0 V - 27.0 V	1.43 A – 1.11 A	30 W
SBU31-109	30 V	27.0 V - 33.0 V	1.11 A – 0.91 A	30 W
SBU31-110	36 V	33.0 V - 40.0 V	0.91 A – 0.75 A	30 W
SBU31-111	48 V	40.0 V - 48.0 V	0.75 A – 0.62 A	30 W

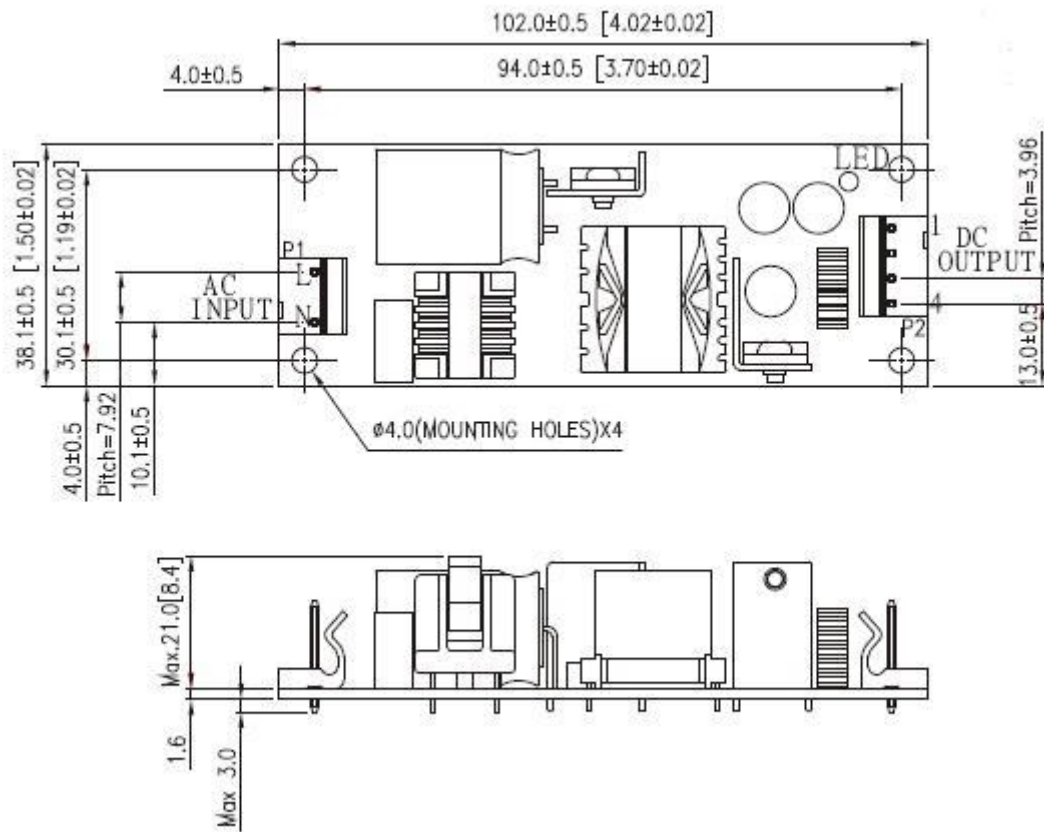
Note : Actual maximum output current depends on output voltage set point and maximum output power, for example for Model SBU31-105 if supplied with 12 Volts output maximum output current would equal 2.5 Amps, (30 Watts divided by 12 Volts = 2.5 Amps).

**See next page for mechanical details**

## Mechanical Details

### Notes :

- 1: Dimensions are shown in mm
- 2: Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminals or equivalents
- 3: Output connector mates with Molex housing 09-50-3041 and Molex 2478 series crimp terminals or equivalent.



Output Connections	
Pin	Single Output
1	+ DC Output
2	+ DC Output
3	- DC Output
4	- DC Output

Specifications can change without notice, E&OE. ALL PSU Terms & Conditions apply.

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