

# 80 Watt, SBU80 Series, ( 2-3 Outputs, Open Frame PSU )

**ALL PSU LTD**  
Electronic Power Solutions

- Universal Input
- Dual and Triple Outputs
- Over Load, Over Voltage Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 2 Year Warranty
- Industry Standard Footprint 5" x 3"
- U-Channel Versions Available



## Specification

Input Voltage.....	90~264 VAC, 47~63 Hz
Input Current.....	1.0 A @ 230 VAC, 2 A @ 115 VAC
Output Voltage.....	Dual and Triple Outputs, See Table Below
Over Load Protection.....	110~150% of rated power
Over Voltage Protection.....	112~132% of output 1 voltage
Efficiency.....	70-85% (dependent on unit)
Line Regulation.....	0.5% typically @ full load
Load Regulation.....	+/-5% typical @ 230 VAC input
Hold Up Time.....	16 ms @ 110 VAC
Leakage Current.....	0.4 mA (0.75 mA max.) @ 240 VAC input and full load
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC
Operating Temperature.....	0 °C to +70 °C (100% load to 50 °C, derate to 50% @ 70 °C)
Extended Temperature.....	-20 Degree Centigrade option, please enquire
Safety Standards.....	UL/cUL60950-1, TUV EN60950-1, CE
EMC Standard.....	Class B
MTBF.....	>100 khrs (MIL-HDBK-217F) @ 25 °C
Dimensions.....	127(L) x 76.3(W) x 30(H), 5" x 3" x 1.18"

## Models & Ratings

Model	Output 1	Output 2	Output 3	Maximum Output Power
<a href="#">SBU80-200</a>	3.3 V / 12 A	12 V / 5 A		80 Watts
<a href="#">SBU80-201</a>	5 V / 12 A	12 V / 5 A		80 Watts
<a href="#">SBU80-202</a>	5 V / 12 A	15 V / 5 A		80 Watts
<a href="#">SBU80-203</a>	5 V / 12 A	24 V / 3 A		80 Watts
<a href="#">SBU80-204</a>	3.3 V / 12 A	5 V / 5 A		64.6 Watts
<a href="#">SBU80-215</a>	5 V / 12 A		24 V / 2 A	80 Watts
<a href="#">SBU80-300</a>	3.3 V / 12 A	12 V / 5 A	-12 V / 0.8 A	80 Watts
<a href="#">SBU80-301</a>	5 V / 12 A	12 V / 5 A	-5 V / 0.8 A	80 Watts
<a href="#">SBU80-302</a>	5 V / 12 A	12 V / 5 A	-12 V / 0.8 A	80 Watts
<a href="#">SBU80-303</a>	5 V / 12 A	15 V / 5 A	-15 V / 0.8 A	80 Watts
<a href="#">SBU80-304</a>	5 V / 12 A	24 V / 3 A	-24 V / 0.8 A	80 Watts
<a href="#">SBU80-305</a>	5 V / 12 A	24 V / 3 A	-12 V / 0.8 A	80 Watts
<a href="#">SBU80-306</a>	3.3 V / 12 A	12 V / 5 A	-5 V / 0.8 A	80 Watts
<a href="#">SBU80-307</a>	5 V / 12 A	10 V / 5 A	-10 V / 1 A	80 Watts
<a href="#">SBU80-308</a>	3.3 V / 12 A	5 V / 5 A	-12 V / 1 A	76.6 A

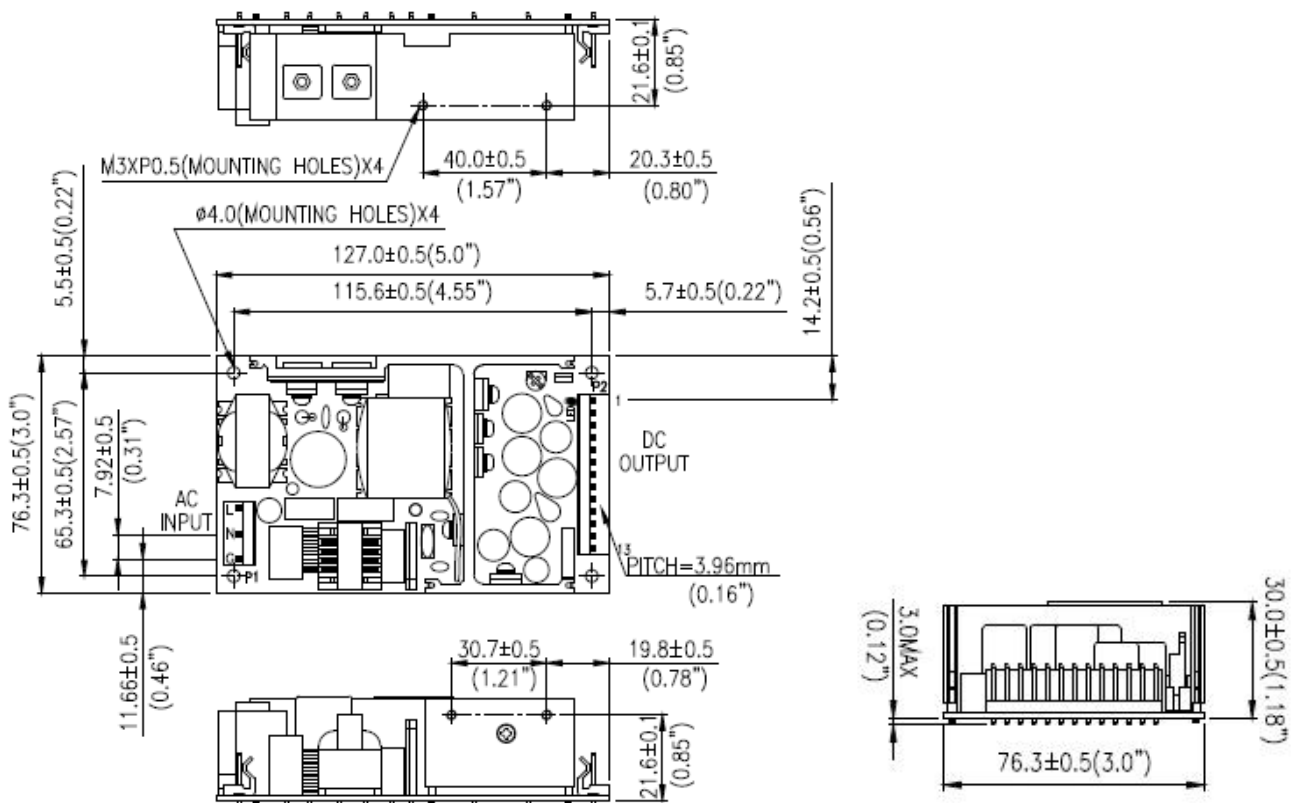
Please see next page for notes on models and mechanical drawings.

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**Notes:**

- 1) Many other output combinations are available - please contact sales office for further information
- 2) A 10% minimum load is required on output 1 & Output 2 to maintain the regulation of +/-5%
- 3) For a 2 pin input version change part number to SBU81-xxx
- 4) Industrial versions available with an operating temperature down to -20 °C and/or screw terminals, contact sales office for more details.
- 5) U-channel versions are available, change part number to SUU80-xxx

**Pinout and Mechanical Details**



Pin	Dual Output	Triple Output
1	Output 2	Output 2
2	Output 2	Output 2
3	Output 1	Output 1
4	Output 1	Output 1
5	Output 1	Output 1
6	Output 1	Output 1
7	Common	Common
8	Common	Common
9	Common	Common
10	N/C	Output 3
11	Common	Common
12	Common	Common
13	N/C	N/C

**Notes :**

- 1) Input Connector Mates with Molex Housing 09-50-3051 and Molex 2478 series crimp terminal
- 2) Output Connector Mates with Molex Housing 09-50-3131 and Molex 2478 series crimp terminal

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

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