

- Universal AC Input
- 3V to 50V Single Output Models
- Single, Dual, Triple or Quad Outputs
- High Reliability 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 2 Year Warranty
- Industry Standard Footprint 5" x 3"
Low Profile Plus Optional Safety Covers



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz
Input Current.....	1.0 A @ 230 VAC, 1.6 A @ 115 VAC
Output Voltage.....	See table below (plus +/-10% adjustment range O/P 1)
Over Load Protection.....	110~150% of rated current (auto-recovery)
Over Voltage Protection.....	112~132% of output voltage (crowbar)
Efficiency.....	70-88% (dependent on unit @ Full Load, 230 VAC)
Line Regulation.....	0.5% typically @ Full Load
Load Regulation.....	+/-3% typical on single output units @ 230 VAC input
Hold Up Time.....	12 ms @ 110 VAC
Leakage Current.....	0.4mA (0.7 mA max.) @ 240 VAC and full load
Isolation Voltage.....	I/P-O/P: 4.2 kVDC, I/P-FG: 2.1 kVDC
Operating Temperature.....	0 °C to +70 °C (100% Load to +40°C, Derates 50% @ =70°C)
Safety Standards.....	UL/cUL60950-1, TUV EN60950-1, CE
EMC Standard.....	EN55022 Class B, EN55024, EN61000-3-2, 3 EN61000-4-2, 3, 4, 5, 6, 8, 11
MTBF.....	>100 khrs (MIL-HDBK-217F) @ 25 °C
Weight.....	0.25 kg each
Dimensions.....	127(L) x 76.2(W) x 27.6(H), 5" x 3" x 1.09"
Optional Metal Safety Cover.....	140 x 92 x 39mm

Models & Ratings (Single Output Versions)

Model	Output Voltage	Voltage Range (Factory Settable)	Output Current	Maximum Output Power
SBU60-101	3.3 V	3.0 V - 5.0V	16.6 - 10.0A	50 W
SBU60-102	5 V	5.0 V - 6.0 V	11.0 - 9.2 A	55 W
SBU60-103	7 V	6.0 V - 8.0 V	10.0 A - 7.5 A	60 W
SBU60-104	9 V	8.0 V - 11.0 V	7.8 A - 5.7 A	63 W
SBU60-105	12 V	11.0 V - 13.0 V	5.7 A - 4.8 A	63 W
SBU60-106	15 V	13.0 V - 16.0 V	4.8 A - 3.9 A	63 W
SBU60-107	19 V	16.0 V - 21.0 V	3.9 A - 3.0 A	63 W
SBU60-108	24 V	21.0 V - 27.0 V	3.0 A - 2.3 A	63 W
SBU60-109	30 V	27.0 V - 33.0 V	2.3 A - 1.9 A	63 W
SBU60-110	36 V	33.0 V - 40.0 V	1.9 A - 1.57 A	63 W
SBU60-111	48 V	40.0 V - 50.0 V	1.57 A - 1.26 A	63 W

See next page for multi-output versions and mechanical details

63 Watt, SBU60 Series, (1-4 Outputs, Open Frame)



Models and Ratings (Multi-Output Models) (see notes)

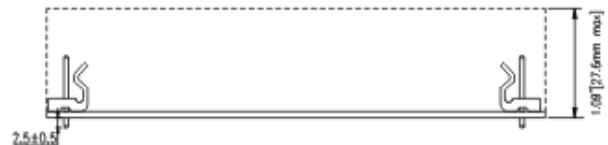
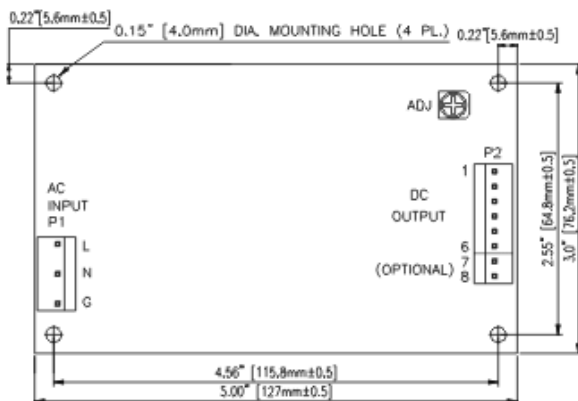
Model	Output 1	Output 2	Output 3	Output 4	Maximum Output Power
SBU60-200	3.3 V / 7 A	12 V / 3 A			
SBU60-201	5 V / 7 A	12 V / 3 A			63 W
SBU60-202	5 V / 7 A	15 V / 3 A			63 W
SBU60-203	5 V / 7 A	24 V / 2 A			63 W
SBU60-204	3.3 V / 7 A	5 V / 5 A			48 W
SBU60-300	3.3 V / 6 A	12 V / 3 A	-12 V / 0.8 A		63 W
SBU60-301	5 V / 6 A	12 V / 3 A	-5V / 0.8 A		63 W
SBU60-302	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A		63 W
SBU60-303	5 V / 6 A	15 V / 3 A	-15 V / 0.8 A		63 W
SBU60-304	5 V / 6 A	24 V / 2 A	-24 V / 0.5 A		63 W
SBU60-305	5 V / 6 A	24 V / 2 A	-12 V / 0.8 A		63 W
SBU60-306	3.3 V / 6 A	12 V / 3 A	-5 V / 0.8 A		60 W
SBU60-308	3.3 V / 5 A	5 V / 5 A	12 V / 1 A		53.5 W
SBU60-400	3.3 V / 6 A	12 V / 3 A	-12 V / 0.8 A	-5 V / 0.8 A	63 W
SBU60-400-1	3.3 V / 6 A	12 V / 3 A	-12 V / 0.8 A	5 V / 0.8 A	63 W
SBU60-401	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A	- 5 V / 0.8 A	63 W
SBU60-402	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A	12 V / 0.8 A	63 W
SBU60-403	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A	24 V / 0.8 A	63 W
SBU60-404	5 V / 6 A	15 V / 3 A	-15 V / 0.8 A	-5 V / 0.8 A	63 W
SBU60-423	5 V / 1 A	24 V / 1.8 A	15 V / 0.1 A	12 V / 0.8 A	59.3 W

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 to maintain the regulation of +/-5%
- 3) For a 2 pin input connector version change part number to SBU61-xxx
- 4) Industrial versions are available with an operating temperature down to -20 °C, & Screw Terminals.
- 5) U-channel versions are available, change part number to SUU60-xxx (width increases to 81.4 mm, height to 35.1mm)

Pinout and Mechanical Details

Pinout (Output Connector)				
Pin	Single Output	Dual Output	Triple Output	Quad Output
1	Output 1	Output 2	Output 2	Output 2
2	Output 1	Output 1	Output 1	Output 1
3	Output 1	Output 1	Output 1	Output 1
4	Return	Common	Common	Common
5	Return	Common	Common	Common
6	Return	N/C	Output 3	Output 3
7				Output 4
8				Output 4



Input connector mates with Molex 09-50-3051 housings
 Output connector mates with Molex 09-50-3061 housings
 (or 09-50-3081 for quad output versions)
 Crimp terminals: - Molex 2478 series

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

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
 Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111,
 Email : sales@allpsu.co.uk, Web : www.allpsu.co.uk