

- Universal AC Input
- 3V to 50V Single Output Range, Plus Dual, Triple & Quad Output Models.
- Compact Low Profile Chassis
- 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 2 Year Warranty
- Optional Vented Top Covers Available



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) |
| Over Load Protection..... | 110~150% of rated current (auto-recovery) |
| Over Voltage Protection..... | 112~132% of output voltage |
| Efficiency..... | 70-88% (dependent on unit) |
| Line Regulation..... | 0.5% typically @ full load |
| Load Regulation..... | +/-3% typical @ 230 VAC input |
| Hold Up Time..... | 12 ms @ 110 VAC |
| Leakage Current..... | 0.45 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 40 °C, derate to 50% @ 70 °C) |
| Safety Standards..... | UL/cUL60950-1, TUV EN60950-1, CE |
| EMC Standard..... | Class B |
| MTBF..... | >100 khrs (MIL-HDBK-217F) @ 25 °C |
| Weight..... | 0.385g each |
| Dimensions..... | 127(L) x 81.6(W) x 35.1(H), (Optional top cover 39mm High) |

Models & Ratings (Single Output Versions)

| Model | Output Voltage | Voltage Range (Factory Settable) | Output Current | Maximum Output Power |
|-----------|----------------|----------------------------------|-----------------|----------------------|
| SUU60-101 | 3.3 V | 3.0 V - 5.0V | 16.6 - 10.0 A | 50 W |
| SUU60-102 | 5 V | 5.0 V - 6.0 V | 11.0 - 9.16 A | 55 W |
| SUU60-103 | 7 V | 6.0 V – 8.0 V | 10.0 A - 7.5 A | 60 W |
| SUU60-104 | 9 V | 8.0 V - 11.0 V | 7.87 A - 5.72 A | 63 W |
| SUU60-105 | 12 V | 11.0 V - 13.0 V | 5.72 A - 4.84 A | 63 W |
| SUU60-106 | 15 V | 13.0 V - 16.0 V | 4.84 A - 3.93 A | 63 W |
| SUU60-107 | 19 V | 16.0 V - 21.0 V | 3.93 A - 3.0 A | 63 W |
| SUU60-108 | 24 V | 21.0 V - 27.0 V | 3.0 A - 2.33 A | 63 W |
| SUU60-109 | 30 V | 27.0 V - 33.0 V | 2.33 A - 1.9 A | 63 W |
| SUU60-110 | 36 V | 33.0 V - 40.0 V | 1.9 A - 1.57 A | 63 W |
| SUU60-111 | 48 V | 40.0 V - 50.0 V | 1.57 A - 1.26 A | 63 W |

Note : Output current rating for each models depends on the maximum output power of the unit divided by the output voltage set point. Nominal output voltage of each model is customer specified and factory set. Therefore for example if model SUU60-105 is specified with an output of 12 Volts the maximum output current will be 5.25 Amps. (63 Watts divided by 12 Volts = 5.25 Amps).

See next page for multi-output models and mechanical details.

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

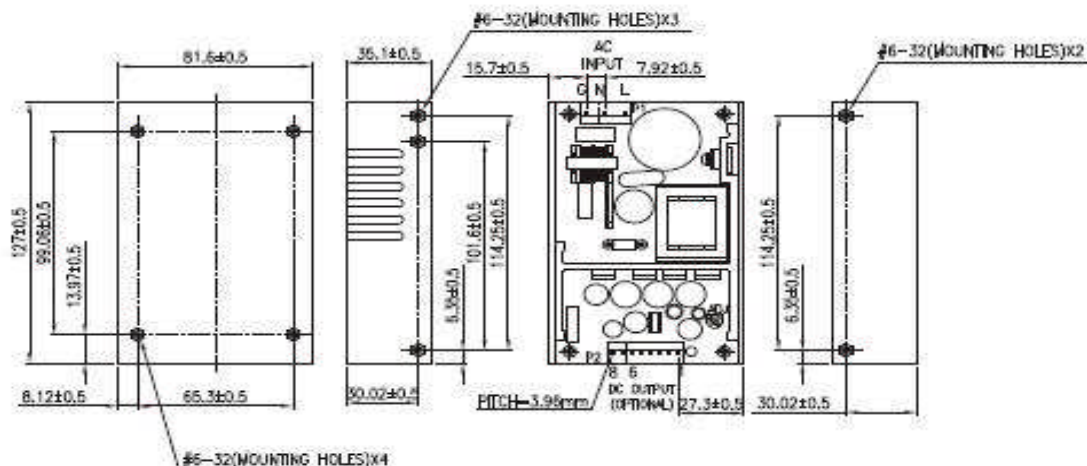
| Model | Output 1 | Output 2 | Output 3 | Output 4 | Maximum Output Power |
|-------------|-------------|--------------|---------------|--------------|----------------------|
| SUU60-201 | 5 V / 7 A | 12 V / 3 A | | | 63 W |
| SUU60-202 | 5 V / 7 A | 15 V / 3 A | | | 63 W |
| SUU60-203 | 5 V / 7 A | 24 V / 2 A | | | 63 W |
| SUU60-204 | 3.3 V / 7 A | 5 V / 5 A | | | 48 W |
| SUU60-300 | 3.3 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | | 63 W |
| SUU60-301 | 5 V / 6 A | 12 V / 3 A | -5V / 0.8 A | | 63 W |
| SUU60-302 | 5 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | | 63 W |
| SUU60-303 | 5 V / 6 A | 15 V / 3 A | -15 V / 0.8 A | | 63 W |
| SUU60-304 | 5 V / 6 A | 24 V / 2 A | -24 V / 0.5 A | | 63 W |
| SUU60-305 | 5 V / 6 A | 24 V / 2 A | -12 V / 0.8 A | | 63 W |
| SUU60-306 | 3.3 V / 6 A | 12 V / 3 A | -5 V / 0.8 A | | 59.8 W |
| SUU60-308 | 3.3 V / 5 A | 5 V / 5 A | 12 V / 1 A | | 53.5 W |
| SUU60-400 | 3.3 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | -5 V / 0.8 A | 63 W |
| SUU60-400-1 | 3.3 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | 5 V / 0.8 A | 63 W |
| SUU60-401 | 5 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | -5 V / 0.8 A | 63 W |
| SUU60-402 | 5 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | 12 V / 0.8 A | 63 W |
| SUU60-403 | 5 V / 6 A | 12 V / 3 A | -12 V / 0.8 A | 24 V / 0.8 A | 63 W |
| SUU60-404 | 5 V / 6 A | 15 V / 3 A | -15 V / 0.8 A | -5 V / 0.8 A | 63 W |
| SUU60-423 | 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 of the above units to maintain the regulation of +/-5%
- 3) For a 2 pin input version change part number to SUU61-xxx
- 4) Industrial versions available with an operating temperature down to -20 °C and/or screw terminals, contact sales office
- 5) Open Frame versions are available, change part number to SBU60-xxx

Pinout and Mechanical Details, (Molex Plug In Connectors).

| Pin | Pinout (Output Connector) | | | |
|-----|---------------------------|-------------|---------------|-------------|
| | 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 |



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

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