

150 Watt, SUU150 Series, U-Channel, Single Output

ALL PSU LTD
Electronic Power Solutions

- Universal Input With PFC
- 9V to 48V Single Output Models
- Convection Cooled
- High Reliability 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage Protection
- Full Approvals: UL/cUL/TUV/CB/CE
- 2 Year Warranty
- Low Profile Compact U-Channel* Chassis
- Optional vented top cover



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz
Input Current.....	0.8 A @ 230 VAC, 2 A @ 115 VAC
Output Voltage.....	See table below (plus +/-5% adjustment range)
Over Load Protection.....	110~150% of rated current (auto-recovery)
Over Voltage Protection.....	112~132% of output voltage (crowbar)
Efficiency.....	85-90% (dependent on unit)
Line Regulation.....	0.5% typically
Load Regulation.....	+/-3% typical @ 230 VAC input
Hold Up Time.....	16 ms @ 110 VAC input
Switching Frequency.....	100 kHz (PFC) typical, 60 kHz (PWM) typical
Leakage Current.....	0.5 mA (0.75 mA max.) @ 240 VAC input 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 (derating by 2.5% /°C above 50 °C)
Safety Standards.....	UL60950-1, TUV EN60950-1
EMC Standard.....	EN55022 Class B, FCC Part 15 level B EN61000-3-2, 3, CISPR-22 level B EN61000-4-2, 3, 4, 5, 6, 8, 11
MTBF.....	>100 khrs (MIL-HDBK-217F) @ 25 °C
Weight.....	Approx 0.56 kg each
Dimensions.....	127(L) x 81.4(W) x 39.2(H) Optional vented top cover adds 4mm to height

Models & Ratings

Model	Output Voltage	Output Current	Maximum Output Power
SUU150-104	9 V	16.0 A	144 W
SUU150-105	12 V	12.5 A	150 W
SUU150-106	15 V	10.0 A	150 W
SUU150-107	18 V	8.33 A	150 W
SUU150-108	24 V	6.25 A	150 W
SUU150-108-27	27 V	5.5 A	150 W
SUU150-109	30 V	5.0 A	150 W
SUU150-110	36 V	4.17 A	150 W
SUU150-111	48 V	3.13 A	150 W

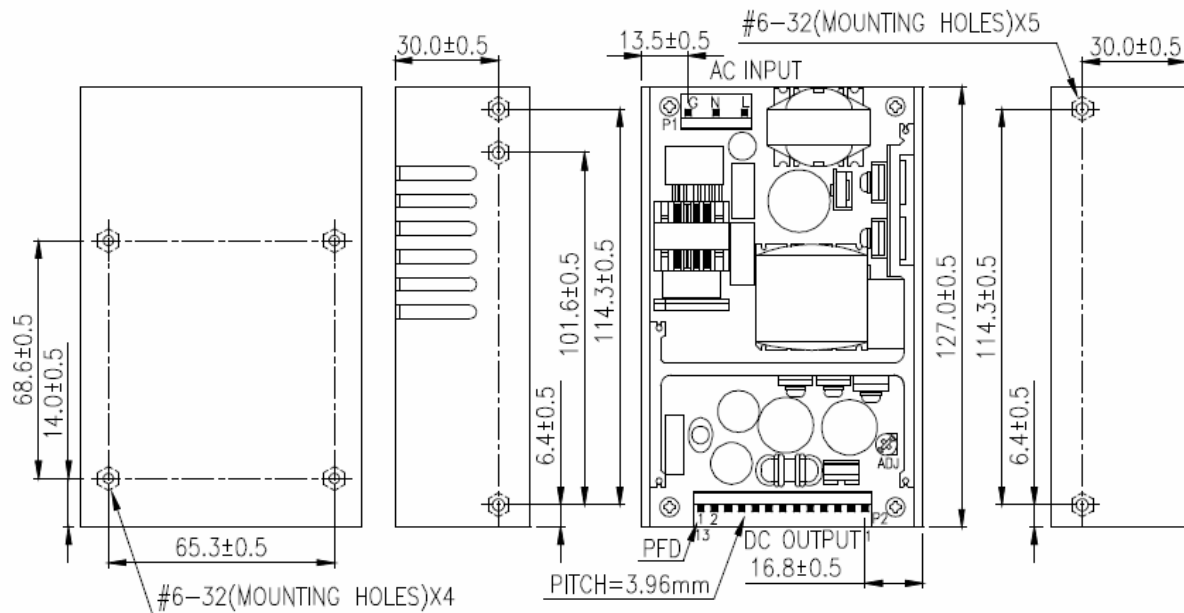
Notes:

- 1) Optional 2 pin input connector available, change part number to SUU151-xxx
- 2) Industrial versions are available with an operating temperature down to -20 °C, contact sales office.
- 3) For optional power fail detection, add suffix "P" to part number - (standard units have no connection to Pin 13)
- 4) Non standard output voltages may also be available - contact sales office
- 5) * - All models are available in 5" x 3" footprint open frame style. Part number changes to: **SBU150-xxx**

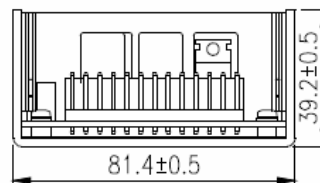
See next page for mechanical details

**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**

Mechanical Details



Input connector mates with Molex 09-50-3051 and 2478 series crimp terminals
Output connector mates with Molex 09-50-3131 and 2478 series crimp terminals



Pinout (Output Connector)

Pin	Function
1	V1
2	V1
3	V1
4	V1
5	V1
6	V1
7	Return
8	Return
9	Return
10	Return
11	Return
12	Return
13	PFD ⁽³⁾

Optional vented top cover available :
Supplied separately as part number "**SUU Cover**", or pre-fitted add "**-C**" to the power supply model number, for example Model SUU150-108-C

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**