

## **FEATURES**

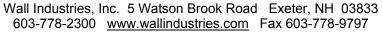
- 2 Year Warranty
- Class I Insulation
- Internal EMI Filter
- 3-pin Input Connector
- Power Factor Correction
- Synchronous Rectification
- Power Fail Detect (Optional)
- Over Voltage Protection (Crowbar Design)
- Input Surge Current and Over Load Protection
- Output Voltage Available from 9VDC thru 48VDC
- 2-pin Input Connector Available (See PSSUU151 Series)

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#### SPECIFICATIONS: PSSUU150 Series

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.

We reserve the right to change specifications based on technological advances.										
SPECIFICATION	TEST CONDITIONS	Min	Nom	Max	Unit					
INPUT (V <sub>in</sub> )										
Operating Voltage Range		90		264	VAC					
Input Frequency		47		63	Hz					
Input Current (Low Line)	lo = Full Load, Vin = 115VAC			2.0	Α					
Input Current (High Line)	Io = Full Load, Vin = 230VAC			0.8	A					
Inrush Current (Low Line)	Io = Full Load, 25°C, Cool Start, Vin = 115VAC		16	20	Α					
Inrush Current (High Line)	lo = Full Load, 25°C, Cool Start, Vin = 230VAC		56	63	A					
Safety Ground Leakage Current	lo = Full Load, Vin = 240VAC		0.5	0.75	mA					
Start-Up Time	lo = Full Load, Vin = 100VAC	0.3	1	2	S					
Output Voltage Range			See Rat	ing Chart	1					
Load Regulation	Vin = 230VAC		3	5	%					
Line Regulation	lo = Full Load		0.5	1	%					
Output Power	Vin = 90 to 264VAC			150	W					
Output Current Range			See Rat	ing Chart						
Ripple & Noise (peak to peak)	Full Load, Vin = 90VAC		0.5	1	%					
Transient Response	lo = Full Load to Half Load. Vin = 100VAC			4	ms					
Hold-Up Time	lo = Full Load, Vin = 110VAC	16			ms					
PROTECTION										
Over Voltage Protection		112		132	%					
Over Current Protection		110		150	%					
GENERAL										
Efficiency	lo = Full Load, Vin = 230VAC	85	88	90	%					
Dielectric Withstanding Voltage For Primary to Secondary	Primary to Secondary	4242			VDC					
Dielectric Withstanding Voltage For Primary to Ground	Primary to Ground	2121			VDC					
Isolation Resistance	Test Voltage = 500VDC	50			MΩ					
Power Factor Correction	Io = Full Load, Vin = 90~260VAC	0.95	0.97	1.0						
ENVIRONMENTAL										
Operating Temperature	Derate linearly from 100% Load at 50°C to 50% load at 70°C	0		+70	°C					
Storage Temperature		-40		+85	°C					
Relative Humidity		5		95	%					
Temperature Coefficient	All Outputs	-0.04		+0.04	%/°C					
PHYSICAL			1		1					
Weight										
Dimensions		Approximately 560 grar 127 (L) x 81.6 (W) x 41.16 (								
Warranty		2			vears					
SAFETY										
EMI Requirements for CISPR-22	Vin = 220VAC	В			Class					
EMI Requirements for FCC PART-15	Vin = 110VAC	B			Class					







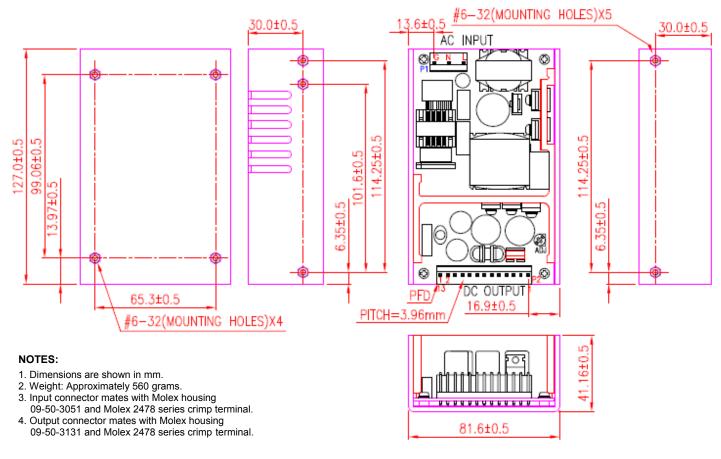
### **OUTPUT VOLTAGE / CURRENT RATING CHART**

Model Number	Preset Voltage	Output Current	Total Regulation	Maximum Output Power
PSSUU150-104	9 VDC	16.0 A	5%	144 W
PSSUU150-105	12 VDC	12.5 A	5%	150 W
PSSUU150-106	15 VDC	10.0 A	5%	150 W
PSSUU150-107	18 VDC	8.33 A	4%	150 W
PSSUU150-108	24 VDC	6.25 A	3%	150 W
PSSUU150-108-27V	27 VDC	5.50 A	3%	150 W
PSSUU150-109	30 VDC	5.00 A	2%	150 W
PSSUU150-110	36 VDC	4.17 A	2%	150 W
PSSUU150-111	48 VDC	3.13 A	2%	150 W

#### NOTES

- 1. Mechanical Drawing: Dimensions are shown in millimeters.
- 2. Weight of the unit is approximately 560 grams.
- 3. Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal.
- 4. Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal.
- 5. 2 pin input connector available: See PSSUU151 Series.

### **MECHANICAL DRAWING**



PIN	1	2	3	4	5	6	7	8	9	10	11	12	13 (Optional)
PSSUU150-1XX	OUT	OUT	OUT	OUT	OUT	OUT	RTN						

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