

FEATURES

- 2 Year Warranty
- Class I Insulation
- Internal EMI Filter
- 2-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
- 3-pin Input Connector Available (See PSSUU150 Series)





SPECIFICATIONS: PSSUU151 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.

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SPECIFICATION	TEST CONDITIONS	Min	Nom	Max	Unit				
INPUT (V _{in})									
Operating Voltage Range		90		264	VAC				
Input Frequency		47		63	Hz				
Input Current (Low Line)	Io = Full Load, Vin = 115VAC			2.0	Α				
Input Current (High Line)	Io = Full Load, Vin = 230VAC			0.8	Α				
Inrush Current (Low Line)	Io = Full Load, 25°C, Cool Start, Vin = 115VAC		12	15	Α				
Inrush Current (High Line)	Io = Full Load, 25°C, Cool Start, Vin = 230VAC		26	30	Α				
Safety Ground Leakage Current	Io = Full Load, Vin = 240VAC		0.4	0.75	mA				
Start-Up Time	Io = Full Load, Vin = 100VAC	0.3	1	2	S				
OUTPUT (V _o)									
Output Voltage Range			See Rati	ing Chart					
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 Rati	ing Chart					
Ripple & Noise (peak to peak)	Full Load, Vin = 90VAC		0.5	1	%				
Transient Response	Io = Full Load to Half Load, Vin = 100VAC			4	ms				
Hold-Up Time	Io = Full Load, Vin = 110VAC	16			ms				
PROTECTION									
Over Voltage Protection		112		132	%				
Over Current Protection		110		150	%				
GENERAL									
Efficiency	Io = 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			ΜΩ				
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									
Weight	Approximately 560 grams								
Dimensions		127 (L) x 81.6 (W) x 41.16 (H			(H) mm				
Warranty		ì	2		years				
SAFETÝ									
EMI Requirements for CISPR-22	Vin = 220VAC	В			Class				
EMI Requirements for FCC PART-15	Vin = 110VAC	В			Class				



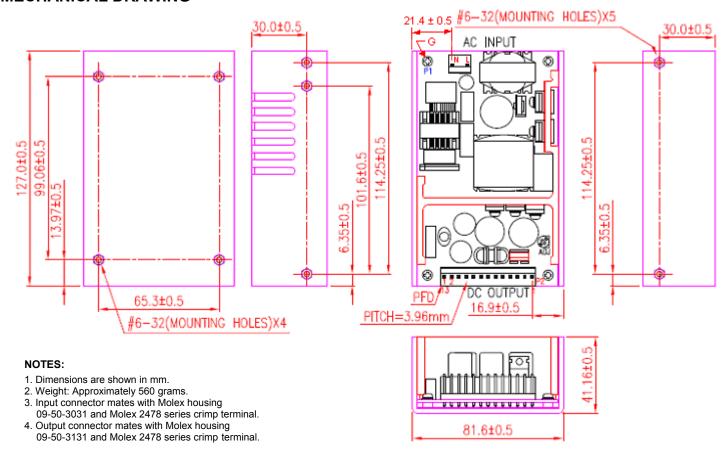
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Preset Voltage	Output Current	Total Regulation	Maximum Output Power		
PSSUU151-104	9 VDC	16.0 A	5%	144 W		
PSSUU151-105	12 VDC	12.5 A	5%	150 W		
PSSUU151-106	15 VDC	10.0 A	5%	150 W		
PSSUU151-107	18 VDC	8.33 A	4%	150 W		
PSSUU151-108	24 VDC	6.25 A	3%	150 W		
PSSUU151-109	30 VDC	5.00 A	2%	150 W		
PSSUU151-110	36 VDC	4.17 A	2%	150 W		
PSSUU151-111	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 09-50-3031 and Molex 2478 series crimp terminal.
- 4. Output connector mates with Molex housing 09-50-3131and Molex 2478 series crimp terminal.
- 5. 3 pin input connector available: See PSSUU150 Series.

MECHANICAL DRAWING



PIN	1	2	3	4	5	6	7	8	9	10	11	12	13 (Optional)
PSSUU151-1XX	OUT	OUT	OUT	OUT	OUT	OUT	RTN						