

10. SPECIFICATIONS

Models	SSP-8160	SSP-8162
Output		
Variable Output Voltage (Limited to O/P 160W)	0 - 42VDC	0 - 84VDC
Variable Output Current (Limited to O/P 160W)	0 - 10A	0 - 5A
Nominal Output Power (42V / 3.8A)	160W	
Preset Output		
Preset 1 (P1)	Voltage: 5V±0.2V, Current: 10A±0.2A	Voltage: 5V±0.2V, Current: 5A±0.2A
Preset 2 (P2)	Voltage: 13.8V±0.2V, Current: 10A±0.2A	Voltage: 13.8V±0.2V, Current: 5A±0.2A
Preset 3 (P3)	Voltage: 20V±0.2V, Current: 8A±0.2A	Voltage: 20V±0.2V, Current: 5A±0.2A
Voltage Regulation		
Load (0-100% Rated Current)	≤50mV	
Line (90-264VAC Variation)	≤10mV	
Current Regulation		
Load (10-90% Rated Voltage)	≤50mA	
Line (90-264VAC Variation)	≤10mA	
Ripple & Noise		
Ripple & Noise (r.m.s.) Voltage	≤5mVrms	≤6mVrms
Ripple & Noise (peak-peak) Voltage	≤50mVp-p	≤60mVp-p
Current Ripple & Noise (peak-peak.)	≤50mA	≤50mA
Meter Type & Accuracy		
Voltage Meter	4 Digit LED Display ±(0.1% +5 counts)	
Current Meter	4 Digit LED Display ±(0.1% +5 counts)	
Resolution		
Output Voltage Resolution	0.02V	
Output Current Resolution	0.01A	
Setting Accuracy		
Output Voltage	±(0.2% +0.05)	
Output Current	±(0.2% +0.05)	
Output Rise & Fall Time		
Output T-ON (50% Load Current)	≤80ms	≤70ms
Output T-ON (100% Load Current)	≤1200ms	≤100ms
Output T-OFF (50% Load Current)	≤90ms	≤140ms
Output T-OFF (100% Load Current)	≤50ms	≤80ms
Other		
Operation Input Voltage Range	90 – 264VAC	
Operation Input Voltage Frequency Range	45-65Hz~	
No Load Input Current (230Vac / 100Vac)	≤200 / 220mA	
Full Load Input Current (230Vac / 100Vac)	≤1.0A / 2.3A	
Power Consumption (230Vac / 100Vac)	≤190W / 200W @ 42V / 3.8A	≤185W / 190W @ 84V / 1.9A
Efficiency (230Vac / 100Vac)	≥86% / 84% @ 42V / 3.8A	≥86% / 85% @ 84V / 1.9A
Switching Frequency	45-55 KHz~	

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Tracking Over Voltage Protections	O/P 0-10V: 115-135% of set voltage O/P 10-42V: 105-125% of set voltage	O/P 0-10V: 115-135% of set voltage O/P 10-84V: 105-125% of set voltage
Transient Response Time (50-100% Rated Load)	≤1.5ms	
Power Factor Control	Power factor correction >0.91 at optimal load	
Cooling Method	Natural Convection	
Leakage Current	≤2mA	
Protections	Adjustable upper voltage limit, Adjustable upper current limit, Short Circuit, Overload, Over Temperature , Tracking OVP	
Input Fuse	T3.15AL250V	
Safety & EMC		
Safety Standard	CE: EN 61010	
Withstanding Voltage	I/P-O/P: 3.0KVac, I/P-F/G: 1.5KVac, O/P-F/G: 0.5KVac	
Insulation Resistance	I/P-O/P, I/P-F/G, O/P-F/G : 100Mohm @500Vdc	
EMC	CE: EN55011	
Harmonics Current Emission	EN 61000-3-2	
Voltage Fluctuations & Flicker	EN 61000-3-3	
EMC Immunity	EN 61000-6-1	
Environment		
Working Temperature	0 to +40°C	
Working Humidity	10-80% RH Non-condensing	
Storage Temperature and Humidity	-15 to +70°C 10-85% RH Non-condensing	
Pollution Degree	Class 2	
General		
Case Material	Polycarbonate Front Panel and Electro-Galvanized Steel Enclosure	
Case Protection	IP20	
Connection	Dia. 4.0mm Safety Jack x3 (Output Positive, Negative and Function Ground)	
Dimensions (WxHxD)	200 x 90 x 250 mm (7.9 x 3.6 x 10 inch)	
Weight	2.5 kg (5.5 lb)	