

10. SPECIFICATIONS

Models	SSP-8320	SSP-8322
Output		
Variable Output Voltage (Limited to O/P 160W)	0 - 42VDC	0 - 84VDC
Variable Output Current (Limited to O/P 160W)	0 - 20A	0 - 10A
Nominal Output Power (42V / 3.8A)	320W	
Preset Output		
Preset 1 (P1)	Voltage: 5V±0.2V, Current: 20A±0.2A	Voltage: 5V±0.2V, Current: 10A±0.2A
Preset 2 (P2)	Voltage: 13.8V±0.2V, Current: 20A±0.2A	Voltage: 13.8V±0.2V, Current: 10A±0.2A
Preset 3 (P3)	Voltage: 20V±0.2V, Current: 16A±0.2A	Voltage: 20V±0.2V, Current: 8A±0.2A
Voltage Regulation		
Load (0-100% Rated Current)	≤120mV	≤100mV
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	≤8mVrms	≤8mVrms
Ripple & Noise (peak-peak) Voltage	≤80mVp-p	≤80mVp-p
Current Ripple & Noise (peak-peak.)	≤200mA	≤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	≤140ms
Output T-ON (100% Load Current)	≤1200ms	≤1800ms
Output T-OFF (50% Load Current)	≤90ms	≤150ms
Output T-OFF (100% Load Current)	≤50ms	≤90ms
Other		
Operation Input Voltage Range	90 – 264VAC	
Operation Input Voltage Frequency Range	45-65Hz~	
No Load Input Current (230Vac / 100Vac)	≤300mA	
Full Load Input Current (230Vac / 100Vac)	≤1.8A / 4.1A	
Power Consumption (230Vac / 100Vac)	≤372W / 385W @ 42V / 7.6A	≤367W / 380W @ 84V / 3.8A
Efficiency (230Vac / 100Vac)	≥86% / 83% @ 42V / 7.6A	≥87% / 84% @ 84V / 3.8A
Switching Frequency	45-55 KHz~	

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Tracking Over Voltage Protections	O/P 0-10V: Set Voltage+ (1.5 ±0.5V) O/P 10-42V: 115-130% of set voltage	O/P 0-10V: Set Voltage+ (1.5 ±0.5V) O/P 10-84V: 115-130% of set voltage or higher than 90V
Transient Response Time (50-100% Rated Load)	≤1.5ms	
Power Factor Control	Power factor correction >0.91 at optimal load	
Cooling Method	Thermostatic Control Fan from Zero to full speed	
Leakage Current	≤0.5mA	
Protections	Adjustable upper voltage limit, Adjustable upper current limit, Short Circuit, Overload, Over Temperature , Tracking OVP	
Input Fuse	T5AL250V	
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)	