

ePower	SPS 3kW										(Switch Mode)					
Specifications ¹		SPS12-250			SPS20-150			SPS60-50			SPS150-20			SPS600-5		
Number of Outputs		2			2			2			2			2		
Output Ratings																
Maximum Output Voltage (V)		12.0			20.0			60.0			150.0			600.0		
Maximum Output Current (A)		250.0			150.0			50.0			20.0			5.0		
Maximum Output Power (W)		3000.0			3000.0			3000.0			3000.0			3000.0		
Programming Accuracy																
Voltage		0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS		
Current		0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS			0.05% of Setting + 0.05% of FS		
Over-Voltage Protection		0.2% of Vout + 0.3% of FS			0.2% of Vout + 0.3% of FS			0.2% of Vout + 0.3% of FS			0.2% of Vout + 0.3% of FS			0.2% of Vout + 0.3% of FS		
Programming Resolution ²																
Measurement Resolution ²																
Voltage (mV)		1.20 mV			2.00 mV			6.00 mV			15.00 mV			60.00 mV		
Current (mA)		25.00 mA			15.00 mA			5.00 mA			2.00 mA			0.50 mA		
OVP (mV)		3.00 mV			5.00 mV			15.00 mV			37.50 mV			150.00 mV		
Measurement Accuracy																
Voltage		0.1% of Rdg + 0.1% of FS			0.1% of Rdg + 0.1% of FS			0.1% of Rdg + 0.1% of FS			0.1% of Rdg + 0.1% of FS			0.1% of Rdg + 0.1% of FS		
Current		0.1% of Rdg + 0.2% of FS			0.1% of Rdg + 0.2% of FS			0.1% of Rdg + 0.2% of FS			0.1% of Rdg + 0.2% of FS			0.1% of Rdg + 0.2% of FS		
Front Panel Display Accuracy																
Voltage		4 Digits / 0.1% of Rdg + 20mV			4 Digits / 0.1% of Rdg + 20mV			4 Digits / 0.1% of Rdg + 60mV			4 Digits / 0.1% of Rdg + 200mV			4 Digits / 0.1% of Rdg + 600mV		
Current		4 Digits / 0.1% of Rdg + 300mA			4 Digits / 0.1% of Rdg + 150mA			4 Digits / 0.1% of Rdg + 50mA			4 Digits / 0.1% of Rdg + 20mA			4 Digits / 0.1% of Rdg + 5mA		
Front Panel Resolution																
Voltage		10 mV			10 mV			10 mV			100 mV			100 mV		
Current		100 mA			100 mA			10 mA			10 mA			1 mA		
Load Regulation ³																
Voltage (0.01%*Vmax + 2 mV) (mV)		3.2			4			8			17			62		
Current (0.01%*Imax + 2 mA) (mA)		27			17			7			4			2.5		
Line Regulation ⁴																
Voltage (0.001%*Vmax + 2 mV) (mV)		2.12			2.2			2.6			3.5			8		
Current (0.001%*Imax + 2 mA) (mA)		4.5			3.5			2.5			2.2			2.05		
Ripple and Noise (20Hz~20MHz) ⁵																
Voltage RMS (rms) (mV)		8			8			8			10			30		
Voltage P-P (0 - 20 MHz, p-p) (mV)		50.0			50.0			50.0			100.0			250.0		
Transient Response Time (ms) ⁶		3.0			3.0			3.0			3.0			3.0		
OVP Adjustment Range		0.6 ~ 13.2			1 ~ 22			3 ~ 66			7.5 ~ 165			30 ~ 660		
Programming Speed (Tup/Tdn) (ms)		100 / 100			100 / 100			100 / 100			170 / 170			170 / 170		
Temp. Coefficient ⁸																
CV (PPM/°C)		100			100			100			100			100		
CC (PPM/°C)		100			100			100			100			100		
AC Input ⁹		3-Phase 208Vac Models - 187~229Vac 3-Phase 240Vac Models - 207~253Vac			3-Phase 208Vac Models - 187~229Vac 3-Phase 240Vac Models - 207~253Vac			3-Phase 208Vac Models - 187~229Vac 3-Phase 240Vac Models - 207~253Vac			3-Phase 208Vac Models - 187~229Vac 3-Phase 240Vac Models - 207~253Vac			3-Phase 208Vac Models - 187~229Vac 3-Phase 240Vac Models - 207~253Vac		
Frequency		50 / 60 Hz			50 / 60 Hz			50 / 60 Hz			50 / 60 Hz			50 / 60 Hz		
DC Output Isolation		+ 600 V			+ 600 V			+ 600 V			+ 600 V			+ 600 V		

*1: All electronic specifications are represented at the full operating temperature range for all models and subject to change without notice.

*2: The programming and measurement resolution is based on 16 bit resolution design.

*3: Load regulation specifications are for 10 - 90% load changes.

*4: Line regulation specifications are for input voltage variation over the AC input voltage range with constant rated load.

*5: Ripple and Noise specifications are for 20 - 100% output voltage and full output current.

*6: Time for output voltage to recover to within +/- 0.5% of $V_{FULL-SCALE}$ following a 10% ~ 60% load current change.

*7: Programming speed specifications are for 50% of full current loading.

*8: Temperature coefficient specifies output change per °C in ambient temperature rise following 30 minute warm up with constant line and load.

*9: ac Input is fixed and factory configured to either 208Vac/3-phase or 240Vac/3-phase @ 50/60Hz.