

Preliminary Specifications 120V Model

Rated Capacity and Power		1kVA / 700W	3kVA / 2100W
Input	Voltage and Tolerance	Single phase 120V, 80~160V at 70~100% load 70~160V at 50~70% load, 60~160V at 0~50% load	
	Frequency (Auto-sensing)	50Hz or 60Hz +/- 4Hz	
	Power Factor	0.97	
Output	Voltage and Frequency	Single phase 120V +/- 2%, 50Hz or 60Hz +/-0.5% (Battery mode)	
	Transient Response	+/- 3% (100% load variation)	
	Waveform and Distortion	Sine wave, THD < 3% at 0-100% linear load	
	Overload Capacity	125~150% 30secs, switch to bypass and auto re-transfer; >150% for 200ms	
	Crest Ratio	3 : 1	
Energy Storage	Capacity and Voltage	UltraCapacitor, 58F, 16V	
	Run-Time	15 seconds at full load, 40 seconds at half load	
	Recharge Time	Approx. 2 minutes (Input current dependent)	
	Life Cycle	Approximately 500,000 charge / discharge cycles	
Bypass	Automatic	Upon overload and UPS failure	
	Voltage Range	88V ~ 126V +/-10V (adjustable via LCD panel)	
Transfer Time	To and From Inverter	0 ms for AC fail; 2.5 ms typical to bypass	
Audible Alarms	Battery Mode	4 second (adjustable), 1 second beep when capacity low	
	Overload	Beep twice per second	
	Fault	Continuous beep tone	
Indicator	LCD	UPS status, I/P & O/P information, % Load, Event history	
Communication	Serial Port	RS-232 Interface; Optional power monitoring software	
	SNMP Intelligent Slot	Network card with SNMP Manager and Web browser	
Environment	Temperature	0-40 degrees C; 32-104 degrees F	
	Relative Humidity	0-95% non-condensing	
	Acoustic Noise (at 1M)	< 50 dBA	
Physical	Electronics Module Weight	23 lbs / 10.5 kgs	23 lbs / 10.5 kgs
	Energy Module Weight	34lbs. / 15.4 kgs	70 lbs / 32 kgs
	Electronics Module Dims	17" x 3.3" x 18.3" / 440 x 88 x 465 mm	17" x 3.3" x 18.3" / 440 x 88 x 465 mm
	Energy Module Dims	17" x 3.3" x 18.3" / 440 x 88 x 465 mm	17" x 6.6" x 18.3" / 440 x 176 x 465 mm