

Sun Star Series 1KVA - 10KVA

Sun Star Series 1K-10KVA Li-ion Battery Online UPS

S / RS - Li Series 1KVA - 10KVA (1ph in / 1ph out)

Key Features:

- **Zero Transfer Time**
True Double Conversion Online UPS, provide most comprehensive protect mission critical equipment from wide range power quality issues
- **DSP Digital Control Based**
Advance DSP base digital control bring high performance of high input Power factor, low distortion, supply the load with perfect sine wave AC power supply
- **Li-ion Battery Powered**
Provide up to 3x backup time in 50% dimension, comparing with regular Lead-acid UPS product
- **Li-ion Battery Charger**
Constant current, Constant voltage, Floating, Turn-Off 4 state charger for Li-ion battery, open to customize the logical behavior for customer- specified battery pack
- **Ultra Wide Input Mains Range**
Strong compatible with ultra with electric environment, stay well with ultra wide range mains of 90V~300V, 40~70Hz ,dramatically reduce battery discharge , prolong battery life.
- **Best Loading Capability**
Up to 0.9 Output Power Factor, 50/60 Hz Automatically adapting, selectable voltage, perfectly match all kind of application
- **Genset Compatible**
Capable of work with wide range of Genset, isolate fluctuation and noise from Genset, provide stable and clean power supply to the user equipment.
- **High Input Power Factor**
Thanks to digital controlled PFC Technology, >0.99 input power factor, effectively avoid power pollution, save energy expense for customer
- **Reliable Design**
Made with strong Glass fiber base (FR4) double side PCB, company with large span component, greatly improve reliability in harsh environment, Well designed ventilation and conformal coating, avoid dust accumulation, improve resistant to corrosion.
- **Open to Customization**
Based on powerful controller and open architecture, the product is able to be customized to match need of integration of automatic system or intelligent supervisory system.



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Technical Specification:

Tower Model		S1K-Li	S1KL - Li	S2K-Li	S2KL - Li	S3K-Li	S3KL -Li	S6KL-Li	S8KL-Li	S10KL-Li
Rack Mount Model		RS1K Li	RS2KL -Li	RS2K-Li	RS2KL -Li	RS3K -Li	RS3KL -Li	RS6KL-Li	RS8KL-Li	RS10KL-Li
Capacity	VA / W	1KVA / 900W		2KVA / 1.8KW		3KVA / 2.7KW		6KVA / 5.4KW	8KVA/7.2KW	10KVA/9KW
Topology		Double Conversion Online UPS								
Phase		Single Phase Input Single Phase Output								
Mains Input	Wiring	L/N+PE								
	Rated Voltage	208 / 220 / 230 / 240VAC								
	Voltage Range	90~300VAC								
	Frequency Range	40Hz-70Hz								
	Input Power Factor	≥0.99								
AC Output	Wiring	L/N+PE								
	Output Voltage	208 / 220 / 230 / 240VAC								
	Voltage Regulation	±1%								
	Output Frequency	50 / 60Hz ± 4Hz (Sync Mode) / 50 / 60Hz ± 0.1%(Free Run)								
	Waveform	Sine Wave								
	Distortion (THDV%)	<2%(Linear Load); <7%(None-Linear Load)								
	Over load capability	1Min@105% ~ 125%Rated Load ;			30Sec.@125%~ 150%Rated Load;			0.5Sec.@ > 150%Rated Load		
Efficiency	AC/AC Mode	88%		89%		90%		91%	92%	93%
	DC/AC Mode	86%		87%		88%		90%		
Battery & Charger	Rated Battery Voltage	48VDC						192VDC		
	Battery Capacity	500WH	External Battery Depends	1000WH	External Battery Depends	1000WH	External Battery Depends	External Battery		
	Backup Time	>30mins @ Full Load		>30mins @ Full Load		>15mins @ Full Load				
	Charging Current	2.5A	4A							
	Charging Voltage	56.5V(default for 16cell of LiFePO4) / Customerize according to battery request						225.6V(default) / Adjust according to battery request		
	Charger Behavior & Protection	CC. CV. Floating. Turn-Off 4 states 3 over voltage protection loop, preserve interface for over temperature/over pressure switch off interface								
Physical	Chassis Style	RACK / Tower (separated)								
	Rack Dimension	1K: 438*44(1U)*420mm 1KL: 438*44(1U)*360mm		2K: 438*44(2U)*420mm 2KL: 438*44(2U)*360mm		3K: 438*44(2U)*500mm 3KL: 438*44(2U)*360mm		438*88(2U)*500mm		
	Tower Dimension	145*220*390mm		190*318*365mm				190*340*540mm		
HMI	LED Display	Mains / Battery status, Load level, battery level, Operation Mode						/		
	LCD Display	Input Mains Voltage, Frequency, Load level, Operation Mode, Health Status								
	Standards Communication	1. RS232 PORT 2. NMC Card: Support remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown								
	Optional Extension Card	CMC MODBUS Card, USB Card, Relay Card (Needs assembly according to order request before shipping)								
Operating Environment Endurance	Temperature Range	-10~50°C								
	Relative Humidity	0-98% (Non-condensing)								
	Acoustics Noise	<55dB @ 1 meters								
*Product Specifications are Subject to Change Without Notice.										