

Sun Star Series 1KVA - 3KVA

Sun Star Series 1K-3KVA Li-ion Battery Online UPS

RS - Li Series 1KVA - 3KVA (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:

Rack Mount Model		RS1K Li	RS2KL -Li	RS2K-Li	RS2KL -Li	RS3K -Li	RS3KL -Li
Capacity	VA / W	1KVA / 900W		2KVA / 1.8KW		3KVA / 2.7KW	
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); <8%(None-Linear Load)					
	Over load capability	100%~105% continuous. 60Sec.@105%~130% Rated Load 10Sec.@130%~150% Rated Load 0.3Sec.@>150%Rated Load					
Efficiency	Line Mode	90%		91%		92%	
	Battery Mode	87%		88%		89%	
Battery & Charger	Rated Battery Voltage	48 / 51.2VDC (Default for 15 / 16cell of LiFePO4)					
	Battery Capacity	615WH	External Battery Depends	920WH	External Battery Depends	1250WH	External Battery Depends
	Backup Time	>30mins @ Full Load		>20mins @ Full Load		>20mins @ Full Load	
	Backup Time 2 (External Battery Module)	51.2V30AH-90mins 51.2V50AH-150mins 51.2V100AH-300mins @ Full Load		51.2V30AH-45mins 51.2V50AH-75mins 51.2V100AH-150mins @ Full Load		51.2V30AH-30mins 51.2V50AH-50mins 51.2V100AH-100mins @ Full Load	
	Charging Current	Standard Model with Internal Battery:4A Long Backup Time Model :4A / 8A(Optional)/ 16A(Optional)					
	Charging Voltage	56.8V(default for 16cell of LiFePO4) / Customized 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				
Rack Dimension		1K: 438*88(2U)*400MM 1KL: 438*88(2U)*400MM		2K: 438*88(2U)*500mm 2KL: 438*88(2U)*400mm		3K: 438*88(2U)*650mm 3KL: 438*88(2U)*400mm	
Rack Net Weight(KG)		12.5	6.5	21.6	6.8	24.5	8.2
HMI	LED Display	Mains / Battery status, Load level, battery level, Operation Mode					
	LCD Display with LED indicator	Input Mains Voltage, Frequency, Load level, Operation Mode, Health Status					
	Standards Communication	1. RS232 PORT/USB Card (not HID) 2. Dry Contact Interface for BMS control 3. ModBUS For BMS interface					
	Optional Extension Card	1. Network Card: Support SNMP/TCP/IP for remote monitoring the UPS via Smart Phone APP, Web page,PC Monitor Software , Support Server / NAS shutdown 2. RS485-Modbus Card, LAN(TCP IP)-ModBUS Card, 3. Mini AS400 Relay Card					
Operating Environment Endurance	Temperature Range	-10~50℃					
	Relative Humidity	0-98% (Non-condensing)					
	Acoustics Noise	<55dB @ 1 meters					
*Product Specifications are Subject to Change Without Notice.							