



O10K/5K~30K-XSLA All-in-One Stackable Energy Storage System



Main Features

- ① Integrated inverter and storage battery, built-in MPPT controller.
Supports off-grid and UPS working modes.
- ② Adopting high cycle times, LiFePO4 cells and intelligent system.
- ③ 10kWh to 50kWh, with flexible energy configuration for the user.
Cloud energy management application, cell phone & computer can grasp system data at any time.

Technical Parameters / Model						
Battery Type	LifePO4					
Rated Voltage(V)	51.2					
Rated Capacity(Ah)	100	200	300	400	500	600
Rated Energy(Wh)	5120	10240	15360	20480	25600	30720
Max. Operating Current(A)	100					
Cycle Times	≥6000 cycles @ 80% DOD, 25 °C, 0.5C					
Charge Voltage(V)	56					
Discharge Cut-off Voltage(V)	46					
Charge Temperature	0°C~ 60°C					
Discharge Temperature	-20°C~ 60°C					
Storage Temperature	0 °C ~ 45 °C @ 60% ±25% RH					
Technical Parameters / Model						
O10K/5K~30K-XSLA						
Battery Data						
Battery Type	Lithium					
Nominal Battery Voltage(V)	48					
Max. Continuous Charging Current(A)	160					
Max. Charge Power(W)	9000					
Max. Discharge Power(W)	10000					
PV Input Data						
Max. Input Power(W)	11000					
Max. Input Voltage(V)	450					
MPPT Operating Voltage Range(V)	120 ~ 430					
Start-up Voltage(V)	150					
Nominal Input Voltage(V)	300					
Number of MPPT Trackers	2					
Number of String per MPPT	1					
AC Output Data						
Rated Power(W)	10000					
Nominal Output Current(A)	43					
Nominal Output Voltage(V)	220/230/240					
Nominal Output Frequency (Hz)	50/60					
Output THDv (@Linear Load)	<3%					
Coverison Efficiency						
Max. Efficiency	93.6%					
MPPT Efficiency	99.9%					
Protection						
AC Over current Protection	Integrated					
AC Short Circuit Protection	Integrated					
AC Overvoltage Protection	Integrated					
Remote Shutdown	Integrated					
Environmental/Ambient Conditions						
Operating Temperature Range(°C)	0 ~ 50°C					
Excess Temperature Behaviour	Excess Temperature Behaviour					
Relative Humidity	0 ~95%					
Installation Altitude above sea level	Up to 2000m above sea level					
Cooling Method	Air Cooling					
Mechanical Data						
Protection Level	IP20					
Installation Type	Floor-standing					
Communications						
Display	LCD, WLAN + APP					
Monitoring Settings	Integrated data logger					
Communication with BMS	CAN					
Communication with Portal	WiFi					
Other Data						
Topology	Transformerless					
Reliability	Integrated					