

All-in-One Stackable Energy Storage System

O5K/5K~30K-XSLA



- Integrated inverter and storage battery, built-in MPPT controller.
- Supports off-grid and UPS working modes.
- Adopting high cycle times, LiFePO4 cells and intelligent system
- 5kWh to 30kWh, with flexible energy configuration for the user.
- Cloud energy management application, cell phone & computer can grasp system data at any time



Stable Power
Supply



Precise
Management



High
Utilization



Long Life
Cycle

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					

Model

O5K/5K~30K-XSLA

Battery Data

Battery Type	Lithium
Nominal Battery Voltage (V)	48
Max. Continuous Charging Current (A)	80
Max. Charge Power (W)	4500
Max. Discharge Power (W)	5000

PV Input Data

Max. Input Power (W)	6000
Max. Input Voltage (V)	500
MPPT Operating Voltage Range (V)	120~430
Start-Up Voltage (V)	150
Nominal Input Voltage (V)	300
Number Of MPPT Trackers	1
Number Of String Per MPPT	1

AC Output Data

Rated Power(W)	5000
Nominal Output Current (A)	21.7
Nominal Output Voltage (V)	220/230/240
Nominal Output Frequency (Hz)	50/60
Output THDv (@Linear Load)	<3%

Conversion Efficiency

Max. Efficiency	93.6%
MPPT Efficiency	99.9%

Protection

AC Over-Current Protection	Supported
AC Short-Circuit Protection	Supported
AC Over-Voltage Protection	Supported
Remote Shutdown	Supported

Environmental/Ambient Conditions

Operating Temperature Range (°C)	0°C~50°C
Excess Temperature Behaviour	Excess Temperature
Relative Humidity	0~95%
Installation Altitude Above Sea Level	Up to 2000m Above Sea Level
Cooling Method	Air Cooling

Mechanical Data

Product Dimensions (W*H*D mm)	650*470*335 mm
Protection Level	IP20
Installation Type	Floor-Standing

Communications

Display	LCD
Communication With BMS	CAN
Communication With Portal	WiFi

Other Data

Topology	Transformerless
Reliability	Supported