



O5K/5K-XPLA Battery Energy Storage System



Main Features

- Ⓐ A-grade REPT cells ensure superior performance and reliability.
- Ⓑ Dual-protection BMS enhances safety against overcharge, discharge, temperature, and current.
- Ⓒ Stackable battery packs with wire-free design, up to 8 layers.
- Ⓓ IP65-rated battery system for high safety protection.
- Ⓔ Inverter box with dual AC output, USB charging, waterproof design.
- Ⓕ Off-grid PCS function for home storage and outdoor applications.

Parametri Tecnici / Model	O5K/5K-XPLA
Battery Parameters	
Rated Capacity	100Ah
Type	CB79-100Ah
Nominal Voltage	3.2V
Internal Impedance	≤0.6 mΩ
Standard charge	0.5C
Standard discharge	3.65V
Standard Charge Cut-off Voltage	2.5V
Standard Discharge Cut-off Voltage	T52.32±0.5x W148.40±0.6 x H119.0±0.6mm
Dimension	1.86±0.1kg
Weight	Charge:0°C < T≤55°C Discharge:-20°C≤T≤55°C
Operating Temperature Range	1P16S
Combination method	100Ah
Rated Capacity	51.2V/100A
Type	5.12kwh
Nominal voltage	51.2V DC
Nominal voltage	43.2V
Voltage at end of Discharge	≤60mΩ
Internal Impedance	50A
Standard charge	100A
Max Charging Current(Icm)	58.4V or 3.65V/cell
Upper limit charging voltage	550A
Standard discharge	100A
Max continuous Discharging current	43.2V
Discharge Cut-off voltage(Udo)	Charge:0~55°C
Operation Temperature Range	Discharge: -20~55°C
Storage Temperature Range	-20°C~60°C
Battery system Size/Weight	(W635*D420*H190)±5mm/46.7±3kg
Class of protection	IP65
Inverter power	5KW
Electric quantity	5.12KWh
Grid voltage range	220V/230/240V
Grid type	L+N+PE
PV Input Data	
MPPT voltage range(V)	120~430V
Number of MPPT	1
General data	
Operating Temperature Range (°C)	-20~55°C
Cooling	Smart cooling
Installation Style	/
Storage Temperature Range	-20°C~50°C
Battery system Size/Weight	(W635*D420*H477)±5mm/73±3kg
Class of protection	IP20