



SR-Box225C-60K 225kWh/60kW

Lithium Battery Energy Storage

PRODUCT FEATURE

Tuya cloud platform

Equipped with WIFI and Bluetooth communication, it supports Tuya cloud platform and can view battery information remotely.

Triple protection

Positive Relay + Negative Relay + Breaker, Adopting redundant design to ensure control safety.

Higher safe performance and longer cycle life

Cathode material is made from LiFePO₄ with safety performance and long cycle life.

Flexible Installation

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power.

Model	SR-Box225C-60K
Battery Parameters	
Cell type	LFP/314Ah
Battery pack	16.07kWh/51.2V
Number of packs	14
Rated capacity	225kWh
Rated voltage	716.8V
Rated current	150A
Voltage range	627.2-806.4V
Charge / discharge rate	0.5C
Max. Charging/ Discharging Current	150A (75A+75A)
AC Output Parameters (on Grid)	
Rated output power	60kW
Rated grid voltage	220/380Vac,230/400Vac (3L+N+PE)
Rated output current	91.2A
Rated grid frequency	50/60Hz \pm 0.3Hz
Output THDi	<3% (of nominal power)
Power factor	0.8 leading to 0.8 lagging
Overload capacity	110%(long time), 140%(10s)
AC Output Parameters (Backup Load)	
Rated output power	60kW
Peak Power (off-grid)	90kW, 10s
Rated Output Voltage	220/380Vac,230/400Vac (3L+N+PE)
Rated Frequency	50/60Hz \pm 0.3Hz
Load Motor Capacity	23HP
Switch Time	10ms (Typical)



Model		SR-Box225C-60K
PV Side Parameters		
Max. PV Input Power		120kW
Max. PV Input Voltage		1000Vdc
MPPT Operating Voltage Range		150~850Vdc
No. Of MPPT Trackers		4
Max. PV Input Current		40A/40A/40A/40A
Max. Short-circuit Current		60A/60A/60A/60A
Grid/Generator Input		
Input Voltage Range		0.85Un -1.1Un
Input Frequency Range		50/60Hz
Bypass Overload Current (Inverter)		200A
ATS(Automatic transfer switching)		250A
AC Breaker		250A * 4
Other Parameters		
Dimension (W×H×D)		1900×2390×1300mm
Weight		2350kg
Operating temperature		-30°C~+55 °C (-22°F~+131 °F) (Derating Below - 15°C or above 45°C)
Maximum working altitude		3000 m (> 2000 m Derating)
Noise		≤ 75dB
IP Rating		IP55
Cooling method		Air conditioner
Fire suppression system		Aerosol/Smoke sensor/Sound and light alarm
Communication		CAN / RS485 / TCP
Cycle life		6000 cycles (25±2°C, 0.5P / 0.5P, 70%SOH)
Anti-corrosion Grade		C3
Compliance		UN38.3 、 GB/T36276

