



PRODUCT OVERVIEW

Complete power storage system features inverter and long life LiFePO4 batteries with high performance battery management system (BMS) and PCS is suitable for a wide range of applications. The SR-EOH energy storage system’s modular design, including power modules and battery expansion modules, can be easily combined into a system of any capacity required.

FEATURES

- **EASY TO UPSCALE** - The system allows for parallel connection of up to 9 batteries, providing a maximum capacity of 45kWh
- **EASY TO INSTALL** - Integrated inverter design, easy to use and quick to install; plug-and-play, eliminates wire clutter
- **USER FRIENDLY** - The system offers various charging methods, including solar power, commercial power or a combination of both
- **INTELLIGENT** - Users can set the charging and discharging time of the battery and mains to save on electricity bills; large LCD screen with real-time data
- **SAFETY** - High quality lithium iron phosphate cells; proven Li-ion battery management solutions
- **DESIGNED FOR FAMILIES** - Support off-grid output; multiple charge and discharge modes available

APPLICATIONS

- Emergency power supply
- Home backup storage
- Solar power storage
- Telecommunications backup power storage
- Data storage/UPS backup power storage
- Off-grid power

Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	OUTPUT	INPUT VOLTAGE
EV-SR-EOH10S-110	1 Inverter 10kW, 2 Batteries 5.12kWh	51.2V	10.24kWh	200Ah	90~140Vac
EV-SR-EOH15S-110	1 Inverter 10kW, 3 Batteries 5.12kWh	51.2V	15.36kWh	300Ah	90~140Vac
EV-SR-EOH20S-110	1 Inverter 10kW, 4 Batteries 5.12kWh	51.2V	20.48kWh	400Ah	90~140Vac
EV-SR-EOH25S-110	1 Inverter 10kW, 5 Batteries 5.12kWh	51.2V	25.6kWh	500Ah	90~140Vac

Inverter Module Specifications

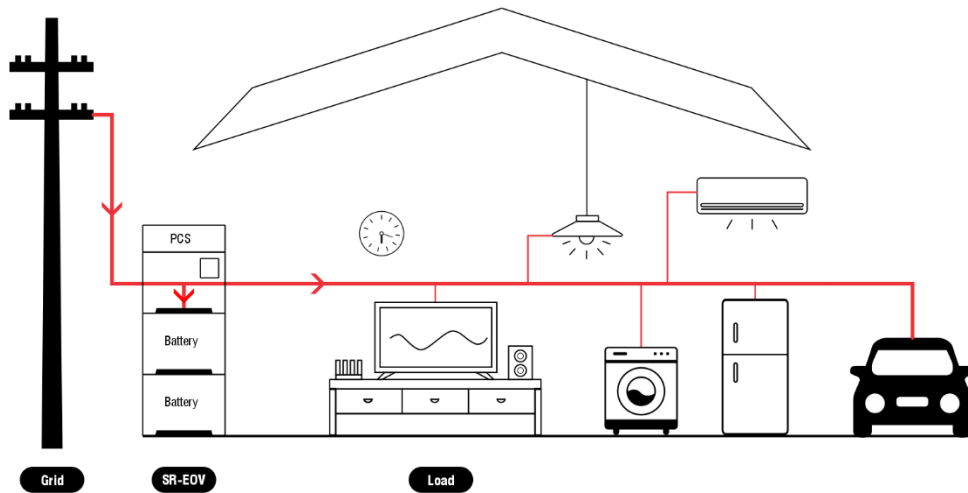
MODEL#	EV-SR-EOH10S-110
OUTPUT	
Rated Output Power	10,000W
Maximum Peak Power	20,000VA
Load Capacity of Motor	6HP
Wave Form	Pure Sine Wave
Rated Output Voltage	120Vac (single phase) / 240Vac (split phase)
SOLAR INPUT	
Solar Charge Type	MPPT
Maximum Solar Array Power	5,500W+5,500W
Maximum Solar Open Circuit Voltage	500Vdc
GRID/GENERATOR INPUT	
Input Voltage Range	90~140Vac
Bypass Overload Current	63A
BATTERY CHARGING	
Maximum Solar Charging Current	200A
Maximum Grid/Generator Charging Current	120A
GENERAL	
Dimension	655*353*276mm (2.14*1.15*0.91ft)

Battery Module Specifications

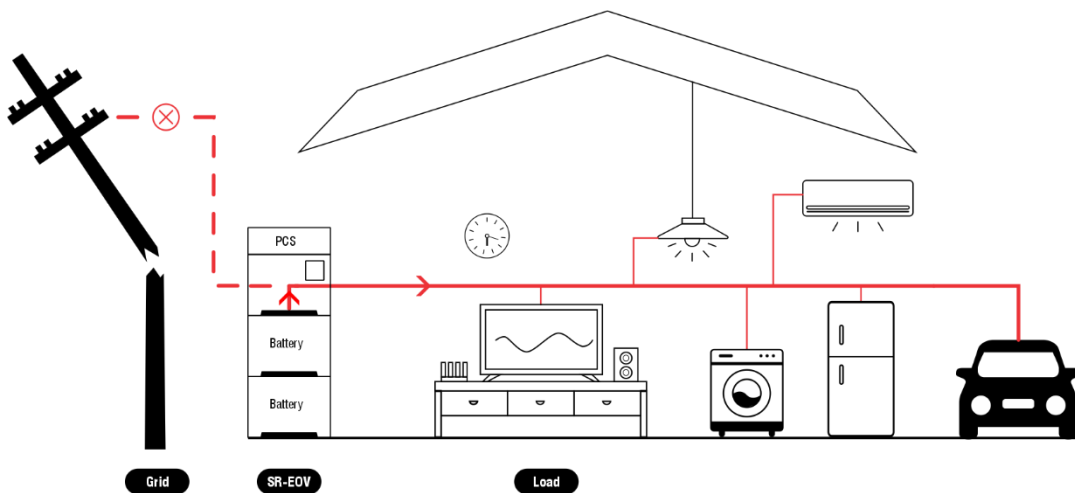
MODEL#	EV- SR-EOH05B
Battery Power	5.12kWh
Rated Voltage	51.2V
Rated Capacity	100Ah
Battery Type	LFP
Cycling Lifespan	6000 (80%DOD, 0.5C, 25°C)
Maximum Parallel Capacity	9 units (up to 46.08kWh)
Dimension	655*353*185mm (2.14*1.15*0.6ft)
Standard	UN38.3, MSDS, IEC62619, UL1973, IEC61000-6:2019, RoHS

Application Scenarios

Grid Power Storage

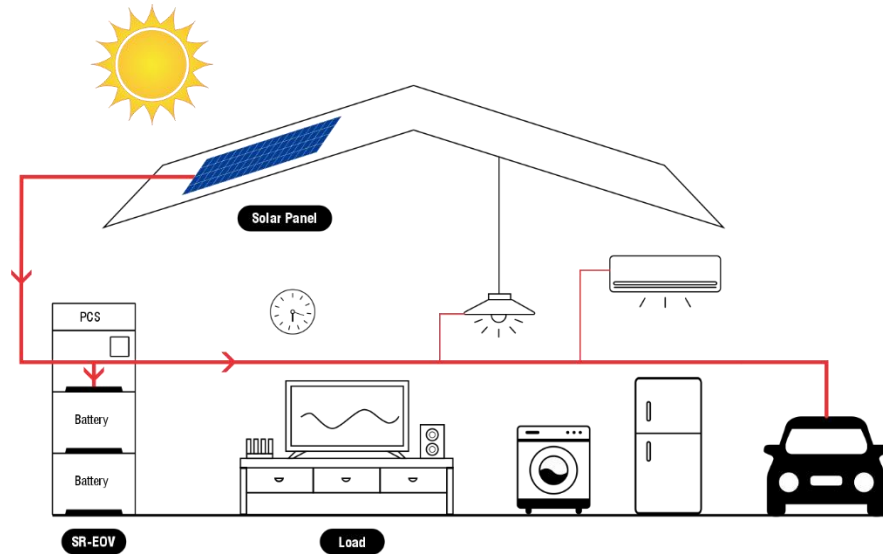


Power Storage Mode

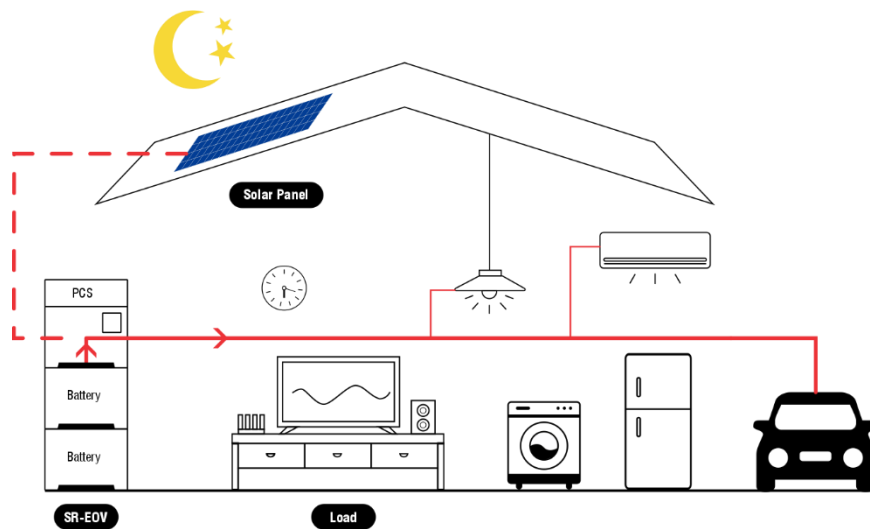


Emergency Power Discharge Mode

Off-Grid Solar Power Storage

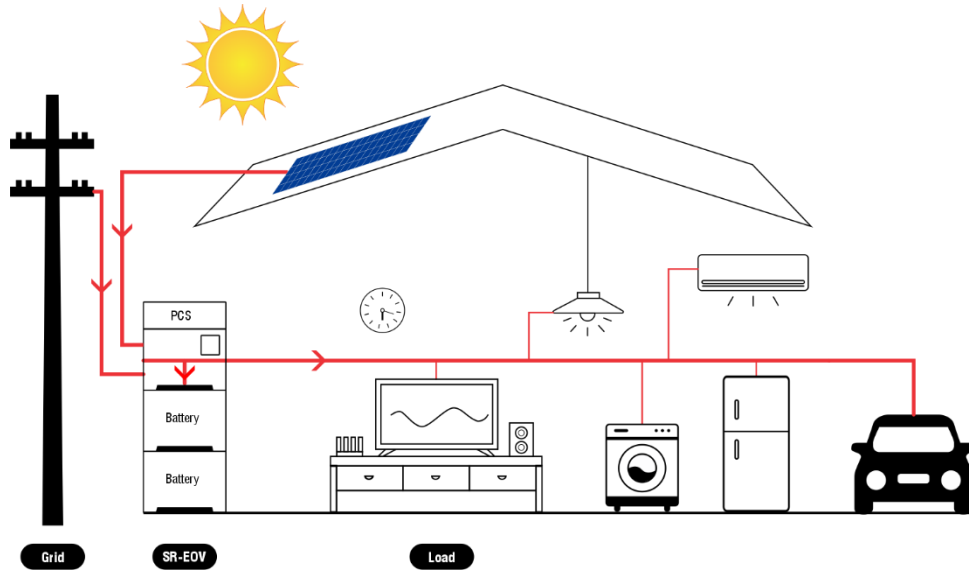


Power Storage Mode

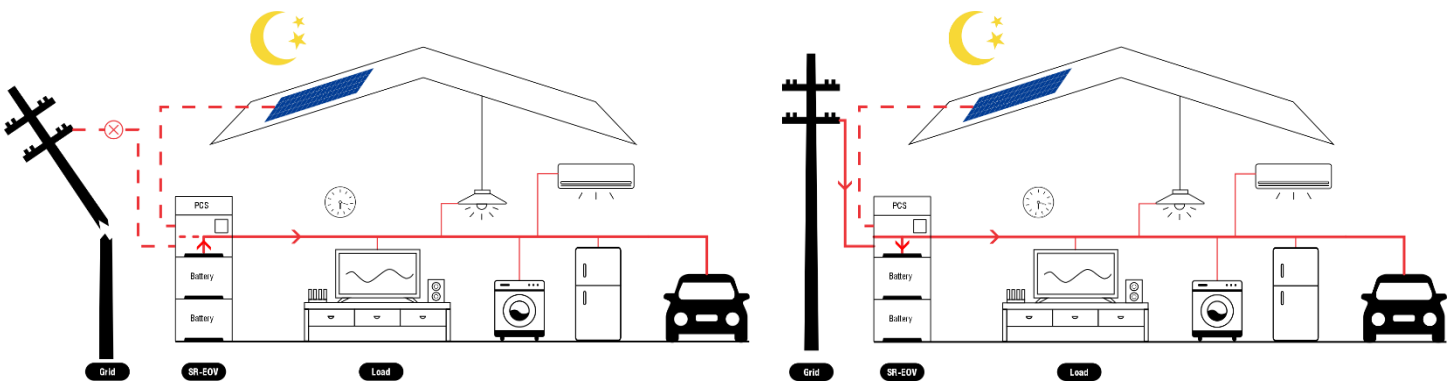


Power Discharge Mode

Grid and Solar Combined Power Storage



Power Storage Mode



Emergency Power Discharge Mode

Night Power Storage Mode