

PRODUCT OVERVIEW

Expandable battery storage system features long life LiFePO4 batteries and is suitable for a wide range of applications. High cycle life and quick recharge rate. Optional rack mounting system.

FEATURES

- INTELLIGENT – Supports USB interface for direct computer communication
- USER FRIENDLY – Minimum width of just 12cm, saving space in the home
- PARALLEL – Up to 9 units in parallel connection, expands to 45kWh
- EASY TO UPSCALE – Compatible with many popular inverter brands and protocols, communicates directly with computer

SAFETY

- High quality lithium iron phosphate cells
- Proven Li-ion battery management solutions

APPLICATIONS

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



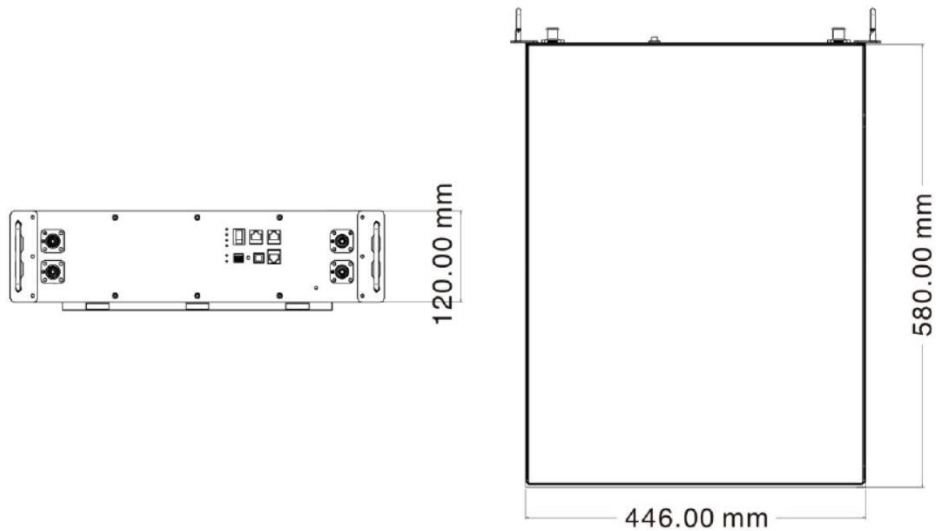
Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	OUTPUT	LIFETIME
EV-SR-EOC05B	100Ah LiFePO4 Battery	51.2V	5.12kWh	100Ah	20 Years

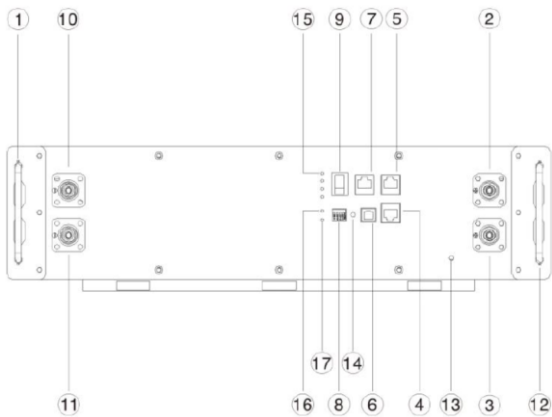
Specifications

MODEL#	EV-SR-EOC05B
Rated Voltage	51.2V
Rated Capacity	100Ah
Battery Power	5.12kWh
Battery Type	LFP
Cycling Lifespan	6000 (80%DOD,0.2C,25°C)
Lifetime	20 years
Maximum Parallel Capacity	9 units
CHARGE & DISCHARGE	
Maximum Charging Voltage	57.6V
Over Discharging Voltage	44.8V
Standard Charge Current	50A
Maximum Charging Current	100A (1C)
Peak Charging Current	100A (1.1C, 3s)
Standard Discharge Current	50A
Maximum Discharging Current	100A (1C)
Peak Discharging Current	110A (1.1C, 3s)
GENERAL	
Weight	45kg (99.2lb)
Dimension (L*W*H)	580*446*120mm (1.9*1.46*0.39ft)
Communication	CAN / RS485 / USB /
Storage Condition	6 months@25°C/77°F, 3 months@35°C/95°F, 1 month@45°C/113°F
Charging Temperature Range	0~45°C
Discharging Temperature Range	-10°C~ +45°C
Cooling Method	Neutral Cooling
Protection Grade	IP30
CERTIFICATIONS	
Transportation	UN38.3,MSDS
Safety	IEC 62619: 2017,EN IEC 61000-6,UL1973

Product Dimensions



Interface Diagram



① handle	② Battery Positive	③ Battery Positive	④ RS485 (Connect other battery)
⑤ RS485 (Connect other battery)	⑥ USB (Connect PC)	⑦ RS485/CAN (Connect inverter)	⑧ Address
⑨ Turn On/Off	⑩ Battery Negative	⑪ Battery Negative	⑫ handle
⑬ Ground wire	⑭ Reset	⑮ SOC (State of Capacity)	⑯ LED(ALM)
⑰ LED(RUM)			