



PRODUCT OVERVIEW

EV-EOS is a new generation of household energy storage system with LFP batteries which can meet the diversified needs of global users. The EV-EOS energy storage system adopts a modular design, including power modules and ensures more than 6,000 cycles with 80% DOD, so it can be easily combined into a system of any capacity required by the user.

FEATURES

- Long life – 6,000 cycles with 80% DoD
- Easy to install and use – small size, minimizing installation time and cost.
- Compact and stylish design compatible with modern home décor.
- Each battery includes an independent BMS system to manage power and output effectively and intelligently.
- Scalable – up to 9 batteries can be connected in parallel at the same time and can provide a maximum of 45kWh of stored power.
- Compatible with most hybrid inverters.

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	LIFETIME
EV-SR-EOS05B	100Ah LiFePO4 Battery	51.2V	5.12kWh	100Ah	20 Years

Specifications

MODEL#	EV-SR-EOS05B
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
Maximum Charging Current	100A (1C)
Peak Charging Current	110A (1.1C, 3s)
Maximum Discharging Current	100A (1C)
Peak Discharging Current	110A (1.1C, 3s)
GENERAL	
Weight	47kg (103.6lb)
Dimension (L*W*H)	460*100*725mm (1.5*0.32*2.37ft)
Communication	CAN / RS485 / USB / WiFi / Bluetooth
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

Typical System Configuration

