

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 4 batteries can be connected in parallel at the same time and can provide a maximum of 20kWh 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

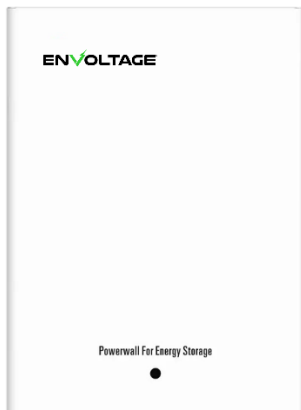
Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	OUTPUT	WEIGHT
EV-EOS48-5.0A-E0	100Ah 48v LiFePO4 Battery	51.2V	5.12kWh	100Ah	101.41 LBS
EV-EOS48-10.0A-E0	200Ah 48v LiFePO4 Battery	51.2V	10.24kWh	200Ah	176.36 LBS

Specifications

MODEL#	EV-EOS48-5.0S-S1	EV-EOS48-15.0S-S1
BATTERY SPECIFICATIONS		
Rated Voltage	51.2V	51.2V
Rated Capacity	100Ah	200Ah
Rated Energy	5.12kWh	10.24kWh
Weight	101.41 LBS	176.36 LBS
Dimensions	24.40" x 17.71" x 5.51"	32.67" x 20.27" x 5.51"
Battery Type	LFP	
Lifetime (77°F)	20 Years	
Life Cycles (80% DOD, 77°F)	6,000 Cycles	
Max Charging Voltage	57.6V	
Over Discharge Voltage	44.8V	
Constant Charging Current	100A	
Peak Charging Current	110A (3S)	
Peak Discharging Current	110 (3S)	
Max Number in Parallel	4	
Communication Interfaces	CAN/RS232/RS485	
Lithium Battery Standard	UN38.3, MSDS, EN55032, EN55024, EN61000-3-2, EN61000-3-3	
Storage Time / Temperature	6 months @ 77°F / 3 months @ 95°F / 1 month @ 113°F	
Charging Temperature Range	32°F ~ 113°F	
Discharging Temperature Range	14°F ~ 113°F	
Cooling Method	Natural cooling	
Enclosure Protection Rating	IP54	
Operation Environment	Indoor	

Product Images



Standard Operating Mode

