



**sunceco**

**Energy Storage System**



# MEDIUM ENERGY STORAGE

## SE2.9ES-R

Household PV on/off-grid energy storage system



Energy Storage Battery Capacity	2.9 – 5.8 kWh
Maximum Output Power	2 – 5 kW
Rated AC Input Voltage	100 – 240 V AC
PCS AC Output Voltage	100/110/220/230 V AC
Output Frequency	50/60 Hz
Solar PV Input Voltage	150 – 580 V DC
Maximum PV Input Current	15 A
Cycling Lifespan for Battery Module	> 2000 (80% DOD)
Operation Temperature Range	-20°C to +50 °C
Heat Emanation Method	Force-Air Cooling
Heating Method	Heating film or other
Product Weight	40 ~ 80 kg
Dimensions	600 × 443 × 190 mm

## SE10.0ES-C

Household PV on/off-grid energy storage system



Energy Storage Battery Capacity	48 V 200 – 400 Ah
Energy Storage Battery Power	10 – 20 kWh
Rated AC Input Voltage	100 – 240 V AC
PCS AC Output Voltage	100/110/220/230 V AC
Output Frequency	50/60 Hz
Solar PV Input Voltage	150 – 580 V DC
Maximum PV Input Current	15 A
Cycling Lifespan for Battery Module	> 2000 (80% DOD)
Operation Temperature Range	-20°C to +50 °C
Heat Emanation Method	Force-Air Cooling
Heating Method	Heating film or other
Product Weight	155 ~ 300 kg
Dimensions	800 × 1050 × 350 mm

# Sunceco

## Energy Storage System

### Compatible

Sunceco energy storage systems (ESS) consist of lithium batteries (LFP) and work great with all solar brand inverters and charge controllers.

### Advantages

- Battery Management System (BMS) with battery management control that effectively improves the battery life
- Optional wireless management
- High precision monomer battery voltage detection provides accurate charge/discharge protection and prevents battery damage
- High precision multi-point temperature detection ( $\pm 1\text{ }^{\circ}\text{C}$ )
- Modular structure, strong extensibility, supporting up to 360 batteries in series
- Lithium Iron Phosphate (LFP) batteries use a lithium-derived chemistry resulting with light weight, high discharge rates and better safety characteristics

### Safety

Sunceco ESS include Battery Management System (BMS) with on-board DC disconnect. If BMS detects any problems, an automatic contactor disconnects ESS from the incoming charge.



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