



Energy Storage System



SE10.0ES-CM

Distributed Micro-grid energy storage system



Energy Storage Battery Capacity	10 kWh / 20 kWh × n
Continuous Output Power	5 kW × n
Rated AC Input Voltage	100/110/220/230 V AC
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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
Dimensions	800 × 1050 × 350 mm
Product Weight	155 kg × n ~ 300 kg × n

- Parallel mode for multiple machine: centralized or independent
- Centralized mode: using single 48 V 200 Ah or greater capacity battery system and additionally provide backup power and photovoltaic surplus energy storage to multiple grid-connected inverter
- Independent mode: by individually providing a 48 V 100 Ah or a 200 Ah battery system to each of the paralleled inverters, multiple sets of independent battery energy storage system therefore can obtain the accumulated capacity of energy storage battery through paralleled inverters

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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