

## Air-cooling All-in-One PV-ESS

# 112kWh

Storage capacity

# 314Ah

Cell Capacity



### Product Features

#### All-in-One Design

Integrates energy storage and hybrid inverters into one unit, reducing footprint and simplifying deployment.

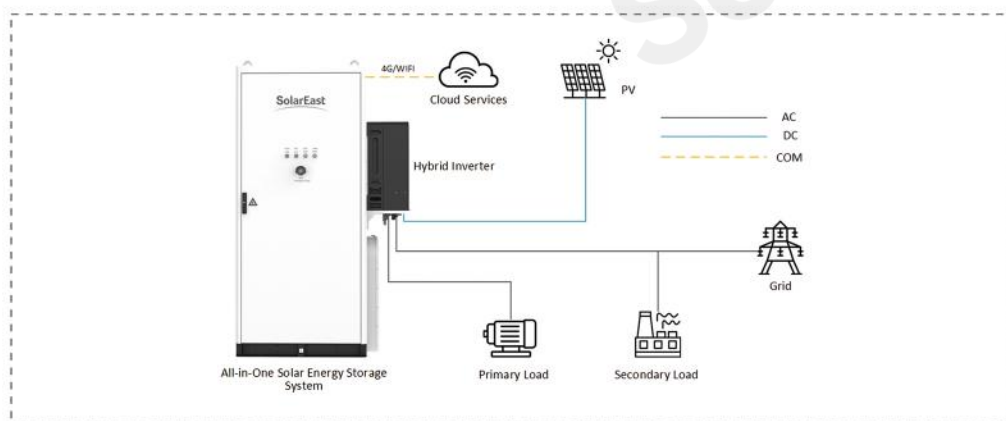
#### Flexible Power Management

Supports both grid-tied and off-grid operation, enabling seamless energy switching and peak shaving.

#### Cost-Effective

Fewer components and simplified installation lower both CAPEX and OPEX.

### Product Application



Providing products as OEM/ODM

### Product parameters table

Model	SE112A-50KGC
<b>PV</b>	
Maximum input power	100KW
maximum input voltage	1000V
MPPT operating voltage range/Rated voltage	180-850V/600V
Start Voltage	200V
Maximum input/short circuit current	6×45A / 6×56.5A
MPPT quantity	2
<b>Battery Side</b>	
Cell type	LFP 3.2V/314Ah
Battery Configuration	1P112S
System capacity	112.53kWh
Voltage range / Nominal Voltage	302.4-403.2V / 358.4V
Cycle Life	8000Cycles(0.5P,25+2°C,@70%SOH)
<b>Ac grid connection side / Ac off-network side</b>	
Rated Power	50kW
Allowable Grid Voltage Range	400V(-15%~+15%)
Way of Connection	3P+N+PE
Allowable Grid Frequency Range	50/60Hz(45-55Hz,55-65Hz)
Maximum current output	79.8A
<b>System Parameter</b>	
Off-grid switching time	<20ms
Dimension(W*D*H) Including airconditioning and hybrid inverter	1355*1300*2300mm Inverter & AC Included
Weight	1500kg
System Efficiency	≥86%
Environmental Temperature	-20~55°C
Humidity	≤95%
Cooling method	Air cooling
Fire safety configuration	Aerosol
Communication Interface	Ethernet/CAN/RS485
Compliant with standards	GB/T 34120,GB/T 36276,UN38.3
Maximum working altitude	2000m

This manual is compiled based on current technical data and strives for accuracy and completeness. We reserve the right to modify product parameters, performance data and other information without prior notice. Product appearance is subject to the actual delivered item.