

Small Outdoor C&I ESS Solution

VEB Series



Features and Advantages

Safe and Reliable

- High-quality LFP batteries.
- Equipped with a comprehensive fire protection system including smoke, heat, and water detection + suppression (aerosol).

High Economy and Efficiency

- Supports DC coupling and AC coupling solutions.
- Supports peak-valley arbitrage.
- Support smart scene function.
- Seamless On/Off-Grid Connectivity.

High integration

- Factory pre-installed, full container shipping.
- Modular Design, Easy installation and maintenance.
- Simple wiring.

High intelligence

- One-Click Savings.
- Support 7x24h remote O&M.
- Smart Energy Scheduling & Dispatch.
- Energy Trading.

VEB 80kWh-120kWh

Technical Parameters



Model	Solis 30kW Inverter	Solis 40kW Inverter	Solis 50kW Inverter
AC Parameters			
Max. DC Input Power	60kW	80kW	100kW
MPPT Range	150-850V		
Rated DC Input Voltage	600V		
No. of MPP Trackers	3	4	4
Rated output power	30kW	40kW	50kW
Maximum output apparent power	30kVA	40kVA	50kVA
Output Frequency and Voltage	50/60Hz; 3/N/PE, 220V/380V, 3/N/PE, 230V/400V		
Max. Efficiency	97.60%		
Dimensions (W*D*H)	530*290*880mm		

Model	VEB256-80kWh	VEB320-100kWh	VEB384-120kWh
System			
Module Quantity	4	5	6
Nominal Capacity	80kWh	100kWh	120kWh
Nominal Voltage	256V	320V	384V
Operation Voltage Range	224V~288V	280V~360V	336V~432V
Rated Charge/Discharge Current	157A		
Max. Charge/Discharge Current	160A/180A		
Anti-corrosion Grade	C3/C5(Optional)		
Cycle Life	6000 Cycles@80%DOD, 25°C		
Installation Environment	Outdoor		
Communication	CAN/LAN/RS485/4G		
Cooling Concept	Air Conditioning		
Altitude	<3000m		
DC side expansion	Max. 10 Cabinets in parallel		
Charge/Discharge Temperature Range	Charge: 0-60°C, Discharge: -20-60°C		
Ingress Protection	IP55		
Dimension (W*D*H)	800*1350*2200mm		
Weight	Approx. 1056kg	Approx. 1203kg	Approx. 1350kg
Operating Humidity	≤95%RH(no condensation)		
Transport Test Requirement	UN38.3		
Battery Module			
Battery Type	LFP		
Cell Capacity	314Ah		
Module Capacity	20kWh		
Rated Voltage	64V		
Operation Voltage Range	56~72V		
Communication	CAN		
Max. Charge/Discharge Current	180A		
Dimension (W*D*H)	483*941*261mm		
Weight	147kg		