

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 Series 140kWh-261kWh

Technical Parameters



Model	Solis 50kW Inverter	Solis 80kW Inverter	Solis 125kW Inverter
AC Parameters			
Max. DC Input Power	100kW	160kW	240kW
MPPT Range	150-850V	150-950V	150-950V
Rated DC Input Voltage	600V		
No. of MPP Trackers	4	10	10
Rated Output Power	50kW	80kW	125kW
Max. Output Apparent Power	50kVA	80kVA	125kVA
Output Frequency and Voltage	50/60Hz; 3/N/PE, 220V/380V, 3/N/PE, 230V/400V		
Max. Efficiency	97.8%	97.60%	97.60%
Dimensions (W*D*H)	530*290*880mm	1174*400*814mm	1174*400*814mm

Model	VEB448-140kWh	VEB512-160kWh	VEB576-180kWh	VEB640-200kWh	VEB704-221kWh	VEB768-241kWh	VEB832-261kWh
System Parameters							
Battery Type	LFP						
Module Quantity	7	8	9	10	11	12	13
Nominal Battery Voltage	448V	512V	576V	640V	704V	768V	832V
Nominal Battery Energy	140kWh	160kWh	180kWh	200kWh	221kWh	241kWh	261kWh
Operating Voltage Range	392-504V	448-576V	504-720V	560-720V	616-792V	672-864V	728-936V
Rated Charging Current	160A						
Rated Discharging Current	180A						
Charging Temp. Range	0°C-55°C						
Discharging Temp. Range	-20°C-55°C						
Anti-corrosion Level	C4(C5 option)						
IP Rating	IP55						
Expansion	Max. 10 Cabinets in parallel						
Communication	RS485, CAN, Ethernet						
Compatible Inverters	Solis, Deye, SAJ, Megareva etc.						
Design Certification	UN38.3/CE-EMC/IEC62619/IEC 62477/IEC 63056						
Firefighting	Aerosol, Perfluoro(optional)						
Dimension(W*D*H)	1200*1523*2300mm						
Weight(Approx.)	1790kg	1940kg	2090kg	2240kg	2390kg	2540kg	2690kg