

WOODS

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	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 Charge/Discharge Current	160A						
Max. Charge/Discharge Current	180A						
Anti-erosion Grade	C4(C5 option)						
Cycle Life	6000 Cycles@80%DOD, 25°C						
Installation Environment	Outdoor						
Communication	CAN/LAN/RS485/4G						
Cooling Concept	Air Conditioning						
Altitude	<3000m						
Expansion	Max. 10 Cabinets in parallel						
Charge/Discharge Temperature Range	Charge: 0-50°C, Discharge: -30-55°C						
Ingress Protection	IP55						
Operating Humidity	≤95%RH						
Standard	IEC62619, IEC62477, CE-EMC, IEC63056						
Transport Testing Requirement	UN38.3						
Dimension (W*D*H)	1200*1523*2300mm						
Weight(Approx.)	1790kg	1940kg	2090kg	2240kg	2390kg	2540kg	2690kg
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						