

CBS-418kWh-Y

Battery Energy Storage System



High Safety Standards

- LFP batteries with excellent thermal stability
- IP54 protection for outdoor applications
- Corrosion resistance up to C4 level



Long Service Life

- Compatible with EVE's advanced technologies (e.g., optional cells with up to 12,000 cycles)
- Integrated frequency-conversion liquid cooling for enhanced performance



High Integration

- Modular design supports 600-1,500V systems
- High energy density saves 50% floor space
- Pre-assembled for efficient transportation and faster installation

Technical Parameter	CBS-418kWh-Y
Battery Data	
Cell type	LFP (LiFePO4)
Rated capacity	314 Ah
Serial-parallel type	1P52S
Rated capacity per pack	52.24 kWh
Pack number	8
System rated energy capacity	417.99 kWh
Rated voltage	1331.2 V
Voltage range	1164.8V~1497.6V
Charge/Discharge rate	0.5C
Efficiency	92%
General Data	
Ingress protection	IP54
Cooling	Liquid cooling
Installation	Outdoor
Fire suppression system	Aerosol
Operating temperature range	-30~50°C
Temperature difference	≤5°C
Relative humidity	5~95% (non-condensing)
Maximum working altitude	4000m (> 3000m derating)
Anti corrosion grade	C4
COM interfaces	RS485 / Ethernet
Dimensions (WxHxD)	1285x2350x1400mm
Weight	3800kg±5%