



CBS Series | Commercial Energy Storage System

Polinovel CBS Series Energy Storage System is a high-performance solution specifically designed for outdoor environments. Its modular design integrates all essential components, ensuring full compatibility with solar panels and wind energy systems. This advanced configuration provides a stable and reliable power supply for commercial and industrial facilities, guaranteeing continuous, uninterrupted operation.

Key Features

Pre-installed system comes with all necessary components integrated for quick and efficient deployment.

Modular design simplifies maintenance procedures and helps reduce long-term operational costs.

The robust structure is equipped with multiple safety protections, ensuring safe and stable operation in outdoor environments.

Battery Specification

Model	CBS107	CBS180	CBS197	CBS215
Energy	107.52KWH	179.20KWH	197.12KWH	215.04KWH
Rated Voltage	384V	640V	704V	768V
Rated Capacity	280Ah	280Ah	280Ah	280Ah
Combination Mode	120S1P	200S1P	220S1P	240S1P
Voltage Range	350~425V	580~710V	640~770V	695~840V
Max. Charge Current	0.5C	0.5C	0.5C	0.5C
Max. Continuous Discharge Current	1C	1C	1C	1C
Dimension (L*W*H) mm/in	1200*1355*2150mm (47.2*53.4*84.7")		1850*1355*2150mm (72.8*53.4*84.7")	
Weight	820kg / 1807.8lbs	1350kg / 2976.2lbs	1500kg / 3306.9lbs	1650kg / 3637.6lbs
Cycle Life	≥6000 cycles @ 25°C 80% DOD			
Communication	RS485 / CAN			
Rated AC Output Power	50KW	100KW	100KW	100KW
Max. AC Current	72A	140A	140A	140A
Rated AC Voltage	400V (3W+N+PE/3W+PE)			
AC Voltage Range	154V~276V			
Rated Grid Frequency	50Hz/60Hz			
Grid Type	Three Phase			
IP Rating	IP54			
Display	Touch Screen LCD			
Cooling Mode	Forced-air			
Noise Emission	≤70dB			
Ambient Temperature	-20°C~55°C (derating above 45°C)			
Relative Humidity	0~95% (non-condensing)			
Altitude	3000m (derating above 2000m)			

Specifications are subject to change without notice. Please contact us to get the latest information.