

4MWh Energy Storage System

4MWh-306-0.5P



Flexible O&M

Extra-large maintenance window for easy access and servicing.

One-stop integration of cells, packs and systems for immediate assembly and deployment.

Standard 20-foot containers for integral transportation and quick grid-connection commissioning.

Efficiency and Safety

Cells adopt double-coated ceramic separators, increasing the heat-resistant temperature of the battery cell.

Battery packs include fuses, built-in NTC to cell ratio over 57% to enhance product safety.

Battery systems upgrade the thermal management to guarantee consistent power operation and reliability throughout the product lifecycle.

Considerable Benefits

25% longer cycle life, 18.4% lower LCOS.

Compatible production lines minimize system reconfiguration costs, facilitating easy upgrades.

-16% higher energy density, 7% less space required.

Note: Product color, shape, interface and functions are for reference only. The actual product may vary.

Product Parameter

Cell	
Item	Specification
Cell Model	MB30
Nominal Capacity	306Ah
Dimension(D×W×H)	72×174×207mm
Weight	5600g±300g
Energy Density	175Wh/kg
Rated Voltage	3.2V
Voltage Range	2.5V~3.65V
Operating Temperature	Charge:0~60°C Discharge:-30~60°C

Battery Module		Energy Storage System	
Item	Specification	Item	Specification
Pack Model	P530H201	System Model	S430H201
Dimension(D×W×H)	1160×780×240mm	Dimension(D×W×H)	2438×6058×2896mm
Weight	345kg	Weight	~37t
Configuration	1P13S	Configuration	1P416S×10
Rated Energy	50.9kWh	Rated Energy	4073kWh
Voltage Range	130V-189.8V	Voltage Range	1164.8V~1497.6V
Rated Voltage	166.4V	BMS Communication	CAN/LAN
		Anti-corrosion Grade	C4
Standard Charging and Discharging Rate	0.5P	Standard Charging and Discharging Rate	0.5P
Thermal Management	Liquid Cooling	Thermal Management	Liquid Cooling and Heating
Charging Operating Temperature	0°C~55°C	Operating Temperature	-30°C~60°C
Discharging Operating Temperature	-20°C~55°C	Relative Humidity	Storage: < 85%RH (no condensation) Operating: < 95%RH (no condensation)
Level of Protection	IP67	Level of Protection	IP55
Certification	UN38.3, UL9540A	Fire Suppression System	Water Firefighting (with gas fire suppression as option)

Note: The above data are from EVE Laboratory.