

## Energy Storage Container Battery System



- Large capacity lithium iron phosphate battery with mature, high discharge rate and long life.
- Advanced intelligent battery management products to ensure product safety.
- The products adopt advanced heat management mode and realize intelligent control through industrial air conditioning to ensure uniform temperature in containers.
- With grounding fault protection function product safety.
- Configuration of advanced automatic fire extinguishing system product safety.
- Containers are equipped with temperature and humidity monitoring and access control condition monitoring products.
- The product has high modularity, simple structure and is easy to transport, install and maintain product safety.

### Application Scenario



PV station



Wind power station



Frequency regulation



Grid side

Model	BATT1045A	BATT2611A
Container battery capacity	1.045MWH	2.61MWH
Voltage range	600V-876V	
Dimensions (wxdxh)	6058 x2438x2896mm	12192 x2438x2896mm
Protection degree	IP54	
Relative humidity	0 ~95% non-condensing	
Operation temperature	-30~+55°C	
Communication protocol	CAN, RS485, TCP/IP	

#### Battery cluster

Battery pack name	240S2P
Battery type	LiFePO4
Rated voltage	768V
Operating voltage range	600V-876V
Core capacity	340Ah
Capacity	261KWh
Working temperature range	Charge : 0~45°C discharge : -20°C~60°C
Dimensions (wxdxh)	1738x 576x 2550mm

## Energy Storage Container Energy Storage System



- High degree of system integration, integrated battery management system, PCS, temperature control system, fire control system, access control system, data monitoring system, AC and DC power distribution, lighting system, etc.
- Customizable design to meet different customer needs.
- Third-level BMS system architecture, safe and reliable.
- The charging mode includes pre-charging, constant-current charging, uniform charging and floating charging.
- The energy storage system has perfect functions of communication, monitoring, management, control, early warning and protection. It operates continuously and safely for a long time. It can detect the running state of the system through the upper computer. It has abundant data analysis ability and emergency power supply function.

### Application Scenario



PV station



Wind power station



Frequency regulation



Grid side



Industrial and commercial

Container Energy Storage System Model	RESS0500-2611
<b>DC parameters</b>	
Battery capacity	2.611MWH
Number of battery racks	10
BMS communication interface	RS485/CAN
DC voltage range	600V-876V
<b>AC side parameters</b>	
Rated AC power	500KW
Max. AC power	550KW
Rated current	722A
Max. output current	800A
DC current component	< 0.5 %
THDI	< 3 %
Rated voltage	400V
Voltage range	320V-460V
Rated frequency	50/60Hz
Frequency range	45-55/55-65Hz
PF	1lagging-1leading
Transformer	No
<b>General information</b>	
Protection degree	IP54
Fire fighting system	Yes
Running time (full power)	3h
Operation temperature	-30~+55°C
Dimension(WXDxH)	12192 x2438x2896mm
Weight	35000kg
Pcs communication mode	RS485, CAN, TCP/IP
Pcs communication protocol	Modbus RTU, Modbus TCP, IEC104
Pcs unit cooling mode	Forced air
Battery unit cooling mode	Air conditioning cooling
Max. altitude	4500 m ( derated above 3000m )
Relative humidity	0-95% non-condensing