

ALL IN ONE SOLUTION

LIQUID COOLING ENERGY STORAGE SYSTEM

BSA

100kW/200kW

CATL INSIDE

Based on CATL's long cycling battery pack, the **232kWh** energy storage cabinet supports modular expansion up to MWhs (**maximum 10 paralleled cabinets**), catering to the needs of various scale of projects.



Efficient and flexible

- Long cycling CATL battery pack with up to 12000 times
- 100/200kW guaranteed output
- Modular design supports parallel connection and system expansion

Safe and smart

- Self-developed energy management system, customizable and upgradable for different needs
- Battery health management includes lifespan prediction, health assessment, and safety warnings
- European-based cloud monitoring and operation platform supporting remote management

High integration

- All-in-one designed cabinet integrates battery, BMS, EMS, PCS, liquid cooling system, fire protection system, etc
- Compact equipment size with a small footprint
- Pre-assembled units for immediate plug-and-play use

Application scenarios



Industrial Park



Commercial Buildings



Charging Station



Utility



VPP



ALL IN ONE SOLUTION

Liquid Cooling Energy Storage System

	100kW	200kW
General		
Product Model	BSA	
Width*Depth*Height	1450mm*1350mm*2225mm	
Weight	2930kg	
Installation	Floor Installation	
Cooling Method	Air-cooling PCS + Liquid-cooling battery	
Protection Level	IP54	
Input Method	AC bottom entry	
DC Battery		
Cell Type	LFP 3.2V/280Ah	
Battery Configuration	1P52S/46.592kWh	
System Configuration	1P260S	
Voltage Range	728VDC ~ 936VDC	
System Capacity	232kWh	
Temperature Sensing	Cells + Copper Bars	
Charge/Discharge Rate	1C	1C
AC Parameters (on-grid)		
Rated Power	100kW	200kW
Max Output Power	115kW	230kW
Rated Grid Voltage	400VAC	
Rated Grid Frequency	50/60Hz	
Power Factor	-1 (leading) ~ 1 (lagging)	
AC Current THDi	<3% (rated output power)	
Connection Method	Three-phase four-wire	
Overload Capacity	1.1 times long-term	
Environmental Requirements		
Operating Ambient	-25 C ~ +50 C	
Operating Humidity	0% ~ 95% RH, non-condensing	
Max Operating Altitude	4000m (derating over 2000m)	
Expand capabilities	100kW+STS	

Besway AB

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