

NOVA ALL IN ONE SOLUTION

LIQUID COOLING ENERGY STORAGE SYSTEM

NOVA N105-EN

105kW/233kWh

NOVA O210-EN

210kW/233kWh

Powered by CATL, the 233kWh 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-development 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	Battery Configuration	
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	0.5C	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	11 times long-term	
Environmental Requirements		
Operating Ambient	-25℃ ~ +50℃	
Operating Humidity	0% ~ 95% RH, non-condensing	
Max Operating Altitude	4000m (derating over 2000m)	
Expand capabilities	100kW+STS	