



### **High Safety**

Liquid-Cooled modules with IP 67 protection level, intelligent fire protection system design, multi-point monitoring and warning. Temperature difference of the cell is less than 3°C, excellent temperature homogeneity.



### High energy efficiency

Represents the most advanced design implemented by NengHui to date, built on experience gained from over a hundred projects and multiple R&D iterations. The non-walk-in container features a modular design that facilitates fast project delivery while also reducing installation and maintenance costs.



### High Life Cycle

Liquid-Cooled batteries with a cycle life of over 6000 cycles, high efficiency and a design life of up to 15years. Offers high energy density and system integration, maximizing life cycle returns through reduced operational and maintenance costs.

# **Technical Specification**

	Battery Module parameters	Battery cluster parameters	Container system parameters
Combination Model	1P104S	1P416S	12P416S
Standard charge-discharge rate		≤0.5C	
Rated energy	104.5kWh	418kWh	5015.96kWh
Nominal voltage	332.8V	1331.2V	
Charge and discharge efficiency	≥93%@25±3°C, 0.5C	>92%@25±3°C, 0.5C(excluding auxiliary power consumption)	
Thermal management mode		Liquid cooling	
Temperature difference of a single battery p	oack cell ≤3°C	/	/
Communication mode	/	cbe	CAN/RS485/Ethernet
IP rating	IP67	/	IP55
Battery charge operating temperature	0°C~55°C		-30°C~55°C
Battery discharge operating temperature	<b>-</b> 20°C~55°C	-20°C~55°C	-30°C~55°C
Storage temperature	-10°C~50°C		
Dimensions (W*H*D)	2180*790*250mm	1	6058*2438*2896mm
Weight	670±5kg	1	<43T
Storage humidity	0~95% (no-condensing)		
Altitude	≤ 3000m (>2000m derating)		
Compliance	/	/	IEC 62477-1, IEC 61000-6-2/4, IEC62619, UN3536

# Usage scenario

Large scale PV power station and centralized grid-connected energy storage system

