



Sodium Ion Batteries

A Global Leading Sodium-ion Battery R&D
and Manufacturing Enterprise

Sodium-ion Battery & Solutions

Cell Customization Service

PACK Customization Service

ESS Integration Service



Cell Customization Service

Tailored cell specifications and performance for flexible applications and rapid response to customized requirements.



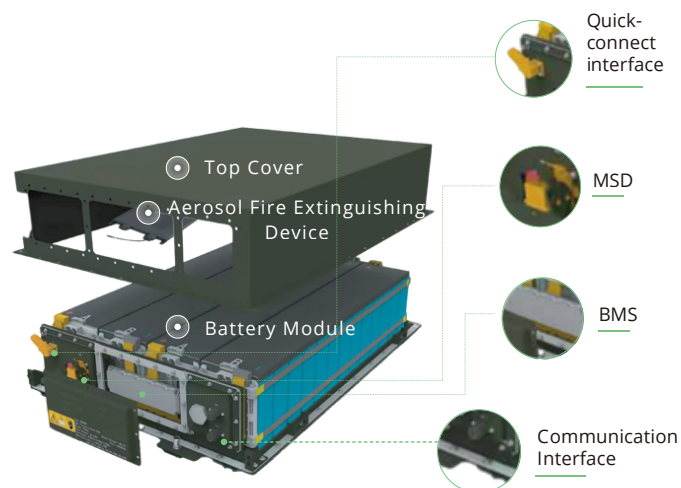
PACK Customization Service

Integrated custom battery PACK, electrical, and thermal designs for diverse energy storage applications, powered by our proprietary cell platform.



ESS Integration Service

Complete, safe, and reliable energy storage cabinet systems with integrated BMS, thermal management, and high-voltage distribution.



Cell Model	P3H-45Ah	P4N-58Ah	P4N-166Ah
Rated Capacity	45Ah / 40.5Wh	58Ah / 165.3Wh	166Ah / 473.1Wh
Rated Voltage	0.9V	2.85V	2.85V
Discharge Rate	5-20C	6C	2C
Charge Rate	5-20C	1C	1C
Cycle Life	> 200,000	> 10,000	> 20,000
Operating Temp	-40~60°C	-40~60°C	-40~60°C
Dimension (W*D*H)	160mm*50mm*119mm	160mm*50mm*119mm	173mm*71mm*204mm
Weight	1.89kg	1.71kg	4.61kg

Certification



I Data Center Solutions

RockNa Series Battery Cabinet VS Traditional Battery Cabinet

MS
Millisecond-level response

10C
Continuous discharge capability

70%
Reduction in total lifecycle costs

40%
Less heat generation



BRIDEX **FE** Fuji SMBE

RockNa-UPS
Power Cabinet

RNU-52		
Autonomy Time	10min@300kW	6min@400kW
Rated Capacity	52Ah/53.3kWh	41Ah/40.6kWh
Max. Continuous Discharge Rate	6C	10C
Rated Voltage	512V	
Charge Rate	405V-584V	
Cycle Life	20,000 cycles @50%DOD	
Communication Interface	FE, RS485, Dry Contact, SNMP	
Protection	Over-temperature, Over-current, Short-circuit, Over-charge, Over-discharge, etc.	
Weight	1.1 T	
Dimension (W*D*H)	600mm*1000mm*2200mm	
Operating Environment	-40~60°C; Altitudes 0~4000m; R. H. 5-95% (Non-condensing)	



UPS project for a data center in South China | Delivery in Q3 2025



UPS project for a data center in Southeast Asia | Delivery in Q4 2026

I C&I Solutions



Ultra-long Life & Lower TCO

166Ah cells with up to 20,000 cycles and 20+ years of service life, aligned with PV system lifespans.



High Efficiency & Maximum Gain

High-efficiency conversion delivers up to 92% system efficiency, reducing energy losses.



Integrated Design & Hassle-free O&M

Integrated high-density design with intelligent monitoring reduces maintenance frequency.



Ultimate Safety & Thermal Stability

Designed to limit thermal propagation at the cell level, with robust system-level resistance to high temperatures, corrosion, high voltage, low temperatures, and aging.

RockNa-196kWh C&I AIO Cabinet



RockNa-196kwh C&I AIO Cabinet			
DC Parameters		AC Parameters	
Rated Energy	196.8kWh	Rated Power	100kW
Rated Voltage	1185.6V	Rated Voltage	380V, -15% ~ 10%
Voltage Range	624 ~ 1456V	Accessing Method	3P4W+PE
Charging/Discharging Rate	0.5P	Rated Frequency	50/60HZ
Configuration	416S1P	Power Factor	1CAP ~ 1IND
Rated Capacity	166 Ah	Thdi	≤3% (Rated Power)
Protection	Disconnector + Fuse	Protection	Moulded Case Circuit Breaker
General Parameters			
Efficient rate	Max. 92%		
Communication Interface	CAN / RS485 / Ethernet		
Weight	≤3.2 T		
Dimension (W*D*H)	1450mm*1300mm*2350mm		
Fire Protection	Aerosol Fire-Fighting		
Operating Environment	-40~60°C; Altitudes 0~4000m; R.H.5-95%(Non-condensing)		

I Delivery Case



Manufacturing Plant in East China – Backup Power & Peak-shaving Arbitrage | Delivery in Q2 2026



Ultra-long Lifespan & Lower LCOE (Levelised Cost of Energy)
15-year design life with 20% lower lifecycle costs than lithium batteries.



Comprehensive Safety & Enhanced Fire Protection
Multi-level safety design eliminates fire hazards across the entire system.

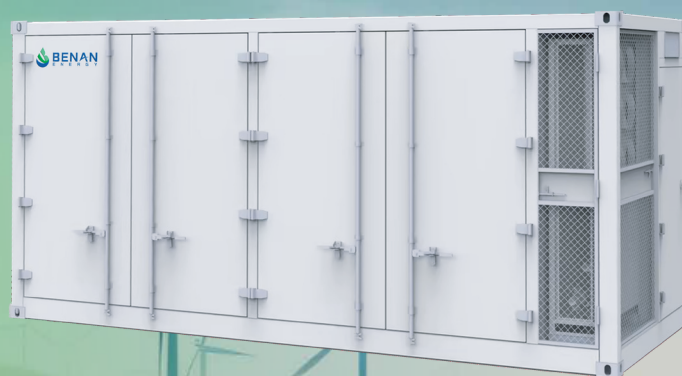


2% Higher Energy Efficiency
Sodium-ion chemistry delivers 2% higher energy efficiency than conventional lithium-ion systems.



Digital Twin & Intelligent Monitoring
Real-time monitoring and digital twin analytics extend battery life and ensure reliable system protection.

RockNa-
2.36MWh
20ft CESS



RockNa-2.36MWh 20ft CESS

DC Parameters

Rated Energy	2361.6kWh
Rated Voltage	1185.6V
Voltage Range	624 ~ 1456V
Charging/Discharging Rate	0.5P

General Parameters

Efficient rate	Max. 91%
Communication Interface	CAN / RS485 / Ethernet
Weight	≤38 T
Dimension (W*D*H)	6058mm*2986mm*2438mm
Operating Environment	-40~60°C; Altitudes 0~4000m; R.H.5-95%(Non-condensing)

Protection

Thermal Management	Liquid Cooling
Fire Protection	Aerosol & Water Fire-fighting

Delivery Cases



Ulanqab, Inner Mongolia – “Source-Grid-Load-Storage Integration” Project
Delivered in Q4 2025



Long-Duration Energy Storage Project for Data Center in East China
Delivered in Q3 2026



Safe Energy Storage Solutions, Powering a Sustainable Future



WeChat



LinkedIn



Specialized Electrical Engineering, Procurement and Construction (EEPC) Contractor



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