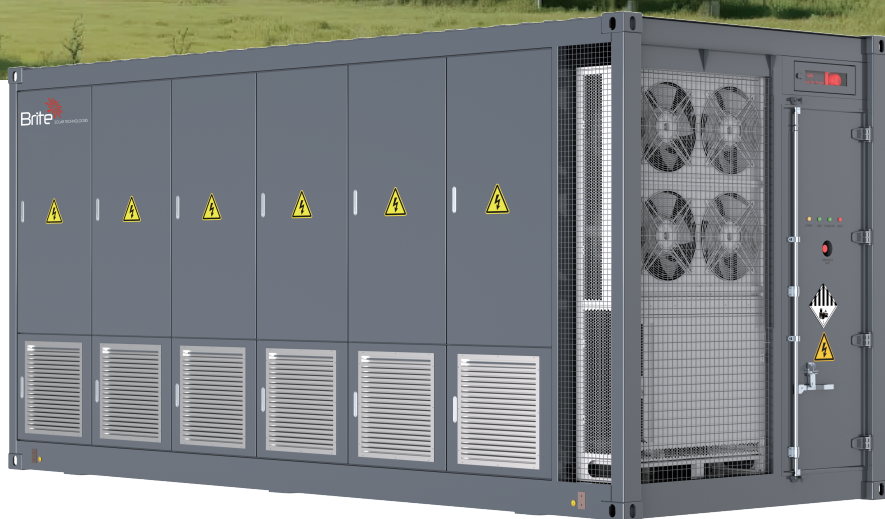




PowerCube

Liquid-Cooled All-in-One
Battery Energy Storage
Container

Capacity

1.5MW-3MWh

➤➤ Application Scenario



Peak Shaving and
Valley Filling



Backup Power



Renewable
Integration



Grid Balancing



Power Trading

➤➤ Product Advantages

◆ SAFE AND RELIABLE

Liquid cooling system
Multi-layer battery monitoring
and protection
Comprehensive fire protection system

◆ REMOTE MANAGEMENT

Real-time data upload
Visualized cloud platform
Remote monitoring and maintenance

◆ MODULAR DESIGN

Flexible capacity configuration
High equipment compatibility
Easy installation, transportation,
and maintenance

Specification Parameters

Battery Parameter	
Nominal Energy	3134.976kWh
Cell Specification	3.2V/314Ah,LFP
System Configuration	1P260S*12
Nominal Battery Voltage	832V
Battery Voltage Range	728-936V
Rated Charge / Discharge C-Rate	0.5C
Rated Depth of Discharge (DoD)	90%
Cycle Life	≥8000@70% EOL
AC Parameters	
Rated Charge / Discharge Power	1500kW
Maximum Charge / Discharge Power	1650kW
Rated AC Voltage	380/400V
Rated Frequency	50Hz/60Hz
Rated Current	2160A
Total Harmonic Distortion of Current (THDi)	≤3% (Full Load)
DC Component	≤0.5%
Power Factor Range	-1~1
Communication Protocols	
Off-grid Output Voltage	380/400V
Off-grid Output Frequency	50Hz/60Hz
Total Harmonic Distortion of Voltage (THDv)	≤3% (Linear Load)
Unbalanced Load Capability	100%
System Parameter	
System Efficiency	≥87% (@0.5P, 25°C)
Grid Connection Method	Three-phase Four-wire
Isolation Method	Non-isolated
Cooling Method	PCS: Air Cooling; Battery: Liquid Cooling
Enclosure Protection Rating	IP55
Corrosion Protection Class	C4 (C5 Optional)
Operating Temperature Range	-20°C~+50°C
Operating Humidity	0~95%RH
Maximum Operating Altitude	3000m (Derating > 2000m)
Fire Suppression System	Temperature Sensors, Smoke Detectors, Combustible Gas Detectors Intake & Exhaust Fans, Aerosol Fire Suppression System, Water Fire Suppression System, Pressure Relief Panel,
Communication Protocols	Modbus TCP, Modbus RTU, MQTT, HTTP
Dimensions (W × H × D)	6058*2896*2438mm
Weight	≈30000kg
Warranty Period	5
Grid Code Compliance	EN 50549-1, EN 61000-6-2, EN 62477-1, NRS 097-2-1, VDE 4105:201 G99 and compliance with grid code of many countries(PL, NL, BE, 8, VDE 0124-100:2020,
System Certifications	IEC 62619, IEC 62477, IEC 61000, UN 38.3