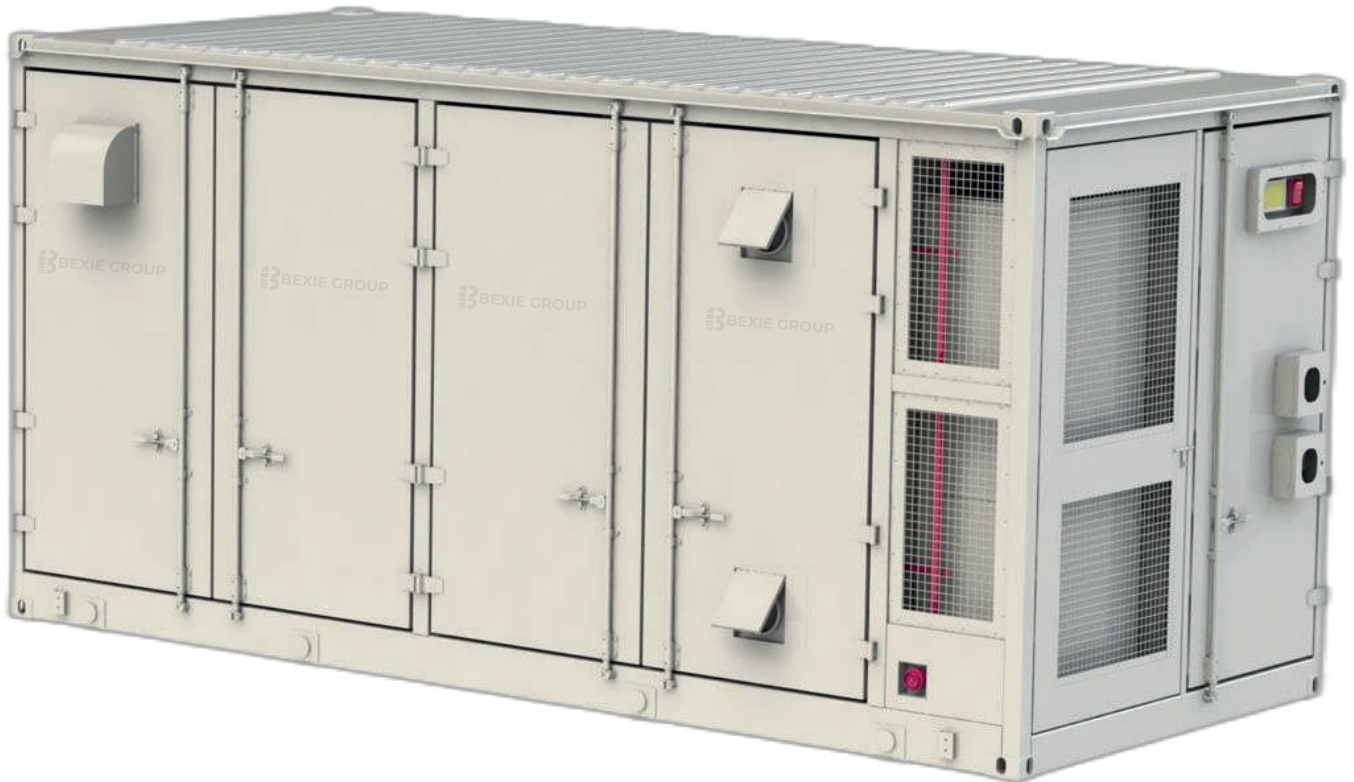


MODULAR LIQUID-COOLED ENERGY STORAGE SYSTEM.

Modularity provide a lower levelized cost of storage and improved safety to your ESS battery projects



BXM 1000/2000L

High Voltage

Innovative All-In-One



High Energy density per cluster
Improved production
Longer life time



- Liquid Cooling & Thermal Management
- Multi-Layered Safety & Fire Protection
- Perfluoro Suppression & Explosion-Proof isolation



Standardized Modular Design 20ft container
High Energy Density Reaching 158kWh/m²
Plug-and-Play Installation



Simplified Maintenance per cluster
Standardization of components enables
Rapid repairs and replacements
Minimizing downtime.

BXM 1000/2000L

Innovative All-In-One

Technical Datasheet

	BXM 1000L	BXM 2000L
AC Parameters		
Rated Power	500kW	1000kW
Rated Output Voltage	400 V	
Rated Grid Frequency	50 Hz / 60 Hz	
DC Parameters		
Battery Cell Type	LFP-314Ah	
Battery Module	IP52S / 52.25 kWh	
Electrical Configuration	1P1040S	1P2080S
Nominal Capacity	1044.992 kWh	2089.984 kWh
Charge/Discharge Rate	≤ 0.5C	
Cycle Life	8000cycles, @25°C, 95% DOD, 70%SOH EOL	
General Parameters		
Operating Mode	Peak Shaving and Valley Filling, Demand Control and Reactive Power Regulation	
Thermal Management	Liquid-cooled	
Fire Protection System	Pack-level Perfluoro+Rack-level Perfluoro (Water immerse Optional)	
IP Rating	Battery Compartment: IP65, Electrical Compartment: IP54; C3H (C5 Optional)	
Operating Temperature	-20°C to 55°C (>45°C derating)	
Operating Humidity	0~95%, no-condensation	
Operating Altitude	≤ 2,000m (>2000, derating)	
Dimensions (W x D x H)	6,058 mm × 2,986 mm × 2,438mm	
Weight	≈18.6 T	≈ 28.2T
Communication		
Communication Interface	Ethernet/4G	
Communication Protocol	MODBUS-TCP, MQTT, IEC61850	



Containerized ESS

Bexie Group introduces a modular liquid cooled energy storage offer bringing smarter energy for the C&I market.

BXM 1000/2000L