



## Product Features

### Low LCOS

Save footprint and on-site workload

Smart liquid cooling system enables the optimal performance of cell and PCS throughout the lifecycle, expanding the longevity of battery system

Thermal control strategies adapting to various operating conditions reduce auxiliary power consumption and save costs

### Highly Integrated

Up to 5MWh capacity, 34.5% increase in energy density

Integrated design of battery pack, PDU, and string PCS, reducing the commissioning time by over 4h

Single-side opening design enables flexible installation to optimize space utilization and save O&M workload

### Safe and Reliable

Digital modeling technology ensures AI analysis throughout cell's lifecycle, achieving early warning of cell safety.

Multi-dimensional intelligent sensing system monitors cell, electrical and structural safety status, safeguarding active safety management of system.

Multi-level electrical protection and fire suppression design.

### Smart and Efficient

Precise battery state algorithm guides battery rack operation for power scheduling, improving power station's RTE by 2%

Intelligent regulation of each battery rack's charge and discharge, enhancing the system's discharge capacity



# BSMESS CONTAINER II

**DC VERSION 5.0MWH**  
LIQUID-COOLING ENERGY STORAGE SYSTEM



Renewable Smoothing  
-Power generation side



Frequency Regulation  
-Grid transmission side



Energy Arbitrage  
-User side

# BSMESS CONTAINER II



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Voltage Range(V<sub>dc</sub>) 1123.2~1497.6 V

## DC Side

Baery Type LFP-314Ah

Configuraon 12P416S

Rated Energy 5015.96 kWh

Rated Voltage (V<sub>dc</sub>) 1331.2 V

**Model BSMESSCONTAINER II DC VERSION  
5.0MWH**

Rated Power 2500 kW@25°C

## General Parameters

Dimensions (WxDxH) 6058×2438×2896mm

Weight 43000 kg

IP Rang Pack-IP65, PDU-IP65, Container-IP55, PCS-IP66

Operang Humidity 0~95%RH (Non-condensing)

Operang Temperature -30~55°C

Altude ≤2000m(oponal 3000)

Auxiliary Power Supply 400Vac 50Hz/480Vac 60Hz

Communicaon Interface Ethernet, RS485

Cooling Method Smart Liquid Cooling

Fire Suppression System Temperature sensing, smoke sensing, combusble gas detecon, cabin level aerosols (electric starn) venlaon system, water fire protecon