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BeEfficient.
BeSustainable.

ZEUS UE-L5015



Bringing Green Energy to Life

Storage solution designed to deliver
energy, safety, durability, and intelligent
control in any environment.

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Energy Storage System Liquid Cooling Container

ZEUS UE-L5015



High safety

- UL9540A test successfully passed with excellence, including forced thermal propagation evaluation without affecting adjacent containers. The system integrates pressure relief and explosion protection in compliance with NFPA68 and NFPA69, ensuring maximum operational safety under critical conditions.

Environmental protection

- Enclosure with IP54 rating, C4/C5 corrosion resistance, and high-voltage modules certified to IP66. Ensures long-lasting resistance against dust, water, and corrosive industrial environments, maintaining reliability throughout the entire lifecycle.

Reinforced and stable design

- High-strength steel structural design compliant with IEEE693 seismic standards

Prevention and control

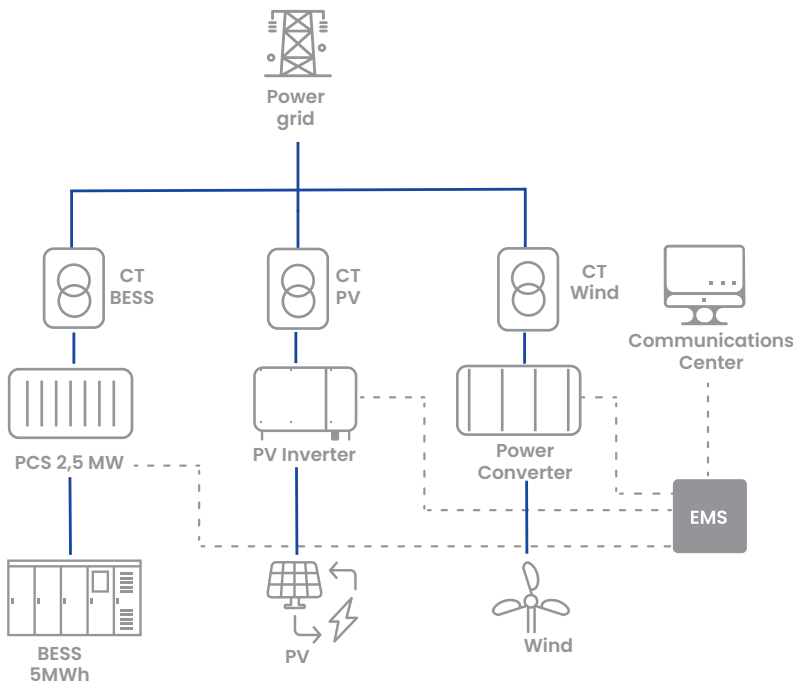
- Design with multiple configurations of modular suppression and protection systems at the container level.
- The DC circuit is equipped with multi-level disconnections, offering different configuration options.
- The insulation strength of the system is sufficient, with no breakdown or flashover during the 5 kV DC withstand test.

High-precision thermal management

- Centralized cooling system with multi-stage bypass, parallel flow, and regulated flow control.
- The temperature difference of cells in the module is 2 °C and that is 3 °C for container level.
- Electrical components are tested at 60 °C to guarantee durability, and the liquid cooling pipeline is checked at 1000 hours of high temperature cycle.

Off-Grid mode

- The system allows operation in off-grid mode, ensuring energy autonomy even in the absence of the power grid.



MODEL 2500 kW/5015 kWh

DC	
Cell Type	314 Ah (LFP) 3.2 V
PACK Capacity	104,5 kWh (1P104S)
System Capacity	5015,9 kWh (12P4S)
Voltage range	1040 ~ 1500 V (For cell 2.5V ~ 3.65V)
Discharge/charge range	0,5 C
Maximum continuous charge/discharge current	1880 A
Dimensions (W x D x H)	6058*2438*2896 mm (20HQ)
Weight	44,5 t

AC	
Rated Power	2500 kW
Maximum Operating Current	Nominal: 2.832 A Max: 3.115,2
PCS output voltage	690 Vac
LV/MV Transformer	0,69 / (6-35) kV
Nominal Frequency	50 Hz/60 Hz
Total current distortion rate	≤ 3 %
Power factor	≥ 0,99
Power factor adjustable range	-1 (leading) 1 (lagging)
Maximum power	2750 kW
Maximum PCS efficiency	≥ 98 %
Dimensions (W x D x H)	6058*2438*2896 mm (20HQ)
Weight	15 t

GENERAL	
Protection level	IP54 (PCS IP66)
Lyfe cycles	8000 CYCLES
Relative himidity	0 ~ 100 %
Maximum working height	≤ 3000 m
Anti-corrosion grade	C5-H
Fire Safety Equipment	Smoke, temperature, gas detector Fire suppresion control panel.
Operating Temperature Range	-40 °C ~ 60 °C
Cooling method	Liquid cooling (PACKs) Air cooling (inverter)

COMMUNICATIONS	
Interface	Ethernet
Protocol	CAN, RS485, TCP/IP

REGULATIONS	
GB/T34120-2023, GB/T34133-2023, IEC 62477-1:2022, IEC 61000-6-2:2016, EN IEC 61000-6-2:2019, IEC 61000-6-4:2018, EN IEC 61000-6-4:2019, IEC 62920:2017+A1:2021, EN 62920:2017, IEC 61000-3-11:2017, EN IEC 61000-3-11:2019, IEC 61000-3-12:2021, EN 61000-3-12:2011+A1:2019, EN 55011-2016+A2:2021, CISPR 11:2019, EN 50549-1:2019+A1:2023, EN 50549-2:2019+A1:2023, IEC 62477-1:2022, EN 62477-1:2012 + A12:2021	

CELL MANUFACTURER

REPT
BATTERO

