

SDC-U-L5015

Liquid-cooling Containerised ESS



5.015 MWh

Ultimate Safety

- Battery AI early fault warning and state estimation technology, with an accuracy rate of 99%
- Multi level online insulation detection to reduce safety hazards
- BMS, Intelligent linkage safety system for fire protection and dynamic environmental protection systems
- Level 4 warning + Level 5 fuse + Level 12 electrical interlock

Efficient and Convenient

- Intelligent sealing plug+self replenishing fluid free operation and maintenance design
- LEGO style connection, flexible layout
- PACK level window, independent operation and maintenance
- Low heat loss technology, suitable for high temperature and cold scenes

Global localization Services

- Global proprietary IoT links
- Global terminal remote debugging technology
- Deep integration capability of the global industrial chain ecosystem
- Access, language and policies are tailored

High Cost-effectiveness

- AI self regulating temperature control design, system discharge capacity increased by 8%
- Reduce land area by over 40%
- System cycle life increased by 15%, stable operation for 20 years
- Pre installed shipment, reducing construction and maintenance workload by 20%
- Strategy optimization algorithm, saving CAPEX 15%

Digital Intelligent Operation and Maintenance

- Real time data connection in the cloud, realizing AI intelligent monitoring and operation and maintenance
- Big data dynamic analysis technology achieves efficient energy management
- Intelligent control algorithms and strategies of Grid-forming System
- Feedforward efficient thermal management solution

Technical Parameters

Product Type	SDC-U-L-6250
Battery Type	LFP-314Ah
System Configuration	12*4*1P10S
Rated Charge/Discharge Ratio	0.5P
Rated Capacity	5.015MWh
Rated Voltage	1331.2V
Voltage Range	1164.8 ~ 1497.6V
Cooling Mode	Efficient and Smart Liquid-cooling
Size (W*D*H)	6058*2438*2896mm
Weight	42t
Protection Level	IP55 (PACK IP67)
Operating Temperature Range	-30 ~ 55°C
Relative Humidity Range	0~ 95% (No condensation)
Operating Altitude	≤4000m
Fire Protection System	Aerosol Firefighting+Water Firefighting
Communication Interfaces	CAN/RS485/Ethernet/WiFi
Product Certification	UL9540A,UL9540,UL1973,IEC62619,IEC63056,IEC61000,IEC62477, IEC62933,UN38.3,UN3536,GB/T36276,GB44240,GB/T44026