EGS215

Liquid Cooling Battery Energy Storage System

Highly integrated

- All-in-one design to reduce transportation and installation costs.
- Modular design is easy to expand and supports multi-machine parallel operation.

Security and Reliable

- Intelligent monitoring and linkage to ensure system security.
- Fire Alarm and Gas Detector System.

Intelligent liquid cooling

- Non-uniform flow channel design, temperature difference ≤2℃.
- A variety of liquid cooling control modes reduce system power consumption

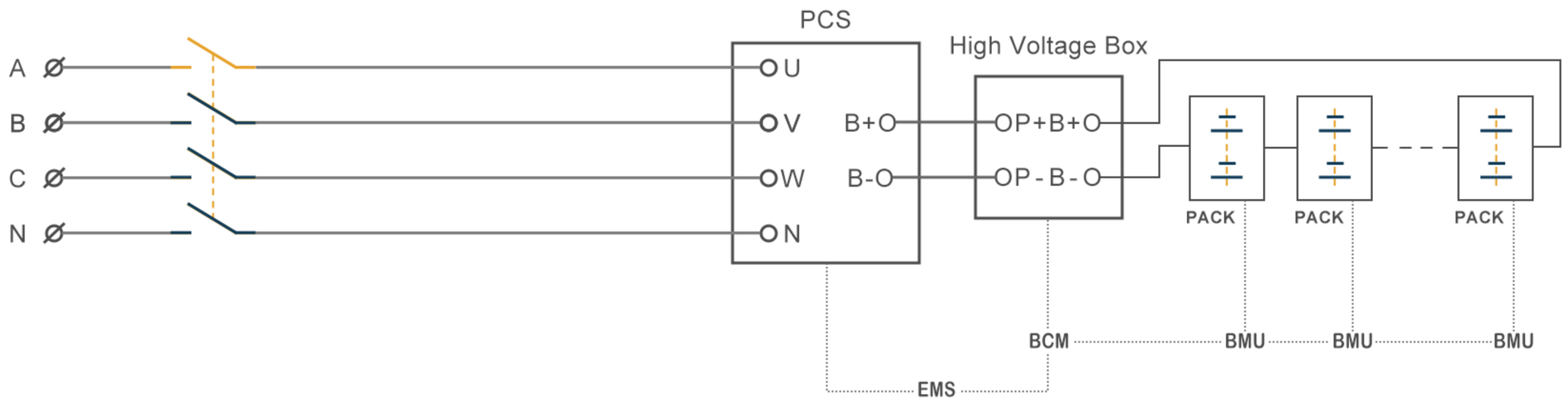
Smart and Convenient

- Multiple operating modes are available, and remote upgrade is supported.
- Based on Renepoly Cloud platform, support multiple device access.

Applications

- Peak shaving and valley filling
- Peak Valley Arbitrage
- Cost Reduction
- Optimize the utilization of renewable energy
- Energy Backup
- Improve the power system stability

TOPOLOGY DIAGRAM



SPECIFICATIONS

TECHNICAL PARAMETERS OF BATTERIES	
Battery Cell Type	LiFePO4-3.2V/280Ah
Maximum Charge/Discharge rate	0.5P
Rated System Capacity	215kWh
Nominal Battery Voltage	768Vdc
Battery Voltage Range	672-864Vdc
Cooling concept of battery chamber	Liquid Cooling
TECHNICAL PARAMETERS OF AC SIDE	
Rated AC Output Power	100kW
Nominal AC Voltage	400Vac
Nominal Grid Frequency	50/60Hz
Harmonic (THD)	<3%
Cooling concept of PCS chamber	Forced-air cooling
NORMAL PARAMETERS	
Ambient Temperature	-20℃-50℃
Relative Humidity	≤95%RH, No condensation
Altitude	≤2000m
Ingress protection	IP55
Fire System	Aerosol Fire Protection System
Anti-corrosion	C3
Dimension W * D * H	1050x1600x2050mm
Communication	RS485/TCP

Note: Please read the relevant safety and installation instructions carefully before using product.
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IEC CE UN38.3