Power a

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Advantages

- Small occupation and easy for installation and maintenance;
- Embedded with three-level protection BMS, safe and reliable;
- Contact hydraulic cooling system with a cell-to-cell temperature deviation of $\leq 3^{\circ}$ C;
- Synchronized with EMS data, data management in optimization;
- Advanced temperature management system;
- High charge/discharge efficiency;
- Safety reliability: wide temperature range adaptability from -20°C to 50°C, high anti-wind-and-corrosion level, anti-seismic level, and high protection level of IP54.
- The MPPT controller with a modular design and adopting interleaved parallel technology, allowing for parallel expansion.

Contact Us





YiLi^NK

Introduction

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The industrial and commercial Battery Energy Storage System is independently researched and developed by YiLiNK and the system is designed to be applied in industrial and commercial energy storage solutions to supply reliable power support to various equipments and systems through direct connection to AC low-tension side.

All in One Configuration

- PCS EMS **Battery System** Monitoring System Liquid Cooling System
 - PV Controller (MPPT)





Specification

System Model	YL-HV100kW/215kWh			
System Parameters				
Nominal Power	100kW			
Nominal Energy	215kWh			
Voltage Range DC	600~864V			
Output Voltage AC	240/400Vac			
Composition	1P240S			
Nominal Voltage DC	768V			
Cycle Efficiency	≥93%			
Cycle Life	≥6000 Times			
Dimension	D1460*W1400*H2280mm			
IP Rating	IP54			
Weight	2500kg			
Operating Temperature Range	-20~50°C			
Max. Operating Altitude	≤3000m			
Battery Temperature Control Method	Liquid Cooling			
Firefighting Methods	Fire Protection Inside the Cabinet			
Communication Network	Ethernet			
Communication Protocol	Supports IEC104, Modbus-RTU, DL/T645, etc			
Parallel Capability	5*Clusters(500kW/1MWh)			
Battery Cluster				
Composition	1P240S			
Nominal Capacity	280Ah			
Nominal Voltage	768V			
Nominal Energy	215kWh			
Weight	1500kg			
IP Rating	IP65			
Optimum Operating Temperature	10~35°C			

Cycle Efficiency@0.5C Cycle Life@0.5C

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	PCS Parameters			
Max. DC Power	162kW			
Max. Input Current	171A			
DC Operating Voltage Range	615~900V(3P3L)/650~950V(3P4L)			
Nominal AC Power	105kW			
Max. AC Current	167A			
Dimension	D484*W667*H271.5mm			
Weight	50kg			
IP Rating	IP20			
MPPT Parameters				
Nominal Power 50kW				
Single Channel Max. Current	135A			
Output Voltage Range	DC650~DC900V			
Input Voltage Range	DC270~DC700V			
Parallel Quantity	2			
Stable Voltage Accuracy	< 1%			
Output Ripple	< 0.5%			
Overload Capacity	105% load, long-term operation			
Storage Temperature	-40~70 °C (without battery)			
Working Temperature	-20~55 °C (derating above 45 °C)			
Relative Humidity	0% RH~95% RH, non condensing			
Working Altitude	≤2000m; 2000m~4000m Derated Use			
Communication Methods	CAN/RS485			
Isolation Method	Non isolated type			
Maximum Efficiency	98.20%			
IP Level	IP20			
Cooling Method	Air cooling, intelligent fan speed regulation			
Dimensions	D608.5*W530*H132mm			
Weight	30kg			

l Energy Applications: High Voltage Lithium Battery)🎢 🖬 🌠 💶

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