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ORIGO Batteries

LISHEN

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Lithium Ion Battery
Power Solution

for Solar Residential Energy Storage

ENERGY BATTERY

Residential HESS+

The HESS + battery system series is an intelligent energy storage solution that is safe, long-lasting and offers to 5-20+kWh of battery capacity. The sleek design combines smart energy management software with the safest and longest lasting batteries to efficiently manage home energy. It is comprised of basic Battery units, and can be scalable as needed. Installers can quickly design the right system size to meet the needs of both new and retrofit solar customers.

Reliable

- Proven high reliability LISHEN Series inverters
- limited warranty
- Independent Battery base units
- Cooling (fans)

Smart

- Grid-forming capability for backup operation
- Remote software and firmware upgrade
- Mobile app-based monitoring and control

Simple

- Fully integrated AC battery system
- Quick and easy plug-and-play installation
- Interconnects with standard household AC wiring

Safe

- Cells safety tested
- Lithium iron phosphate (LFP) chemistry for maximum safety and longevity

Convenient

- Usage throughout the day, store excess solar power for use at night and provide reliable backup power during power outages

Data Sheet

HESS+ B10W51-R1



MODEL NUMBER	HESS+ B10W51-R1
Total Energy	10.2kWh
Nominal Power Rating	5kW
Nominal DC Voltage	51.2v
Cell Capacity	100Ah
Cell Chemistry	LiFePO4
Current Rate	1.0C
Battery Modules	2
Dimensions W/H/D	600x850x160mm
Max. Weight	95kG
DC/DC Efficiency	> 90.5%
Cooling	Natural and passive
Altitude	Up to 2,500 meters(8,200 feet)
Ambient Operating Temperature Range	Discharge: -35°C to 65°C(-31°F to 149°F) Charge: 0°C to 65°C(32°F to 149°F)
Inverter Compatibility	Default setting is Pylon Tech. Compatible with popular inverter brands such as deye, pylon tech and growatt etc.
Mounting	wall mounting
Design Life	10-year
Warranty	6000 cycles
Enclosure Rating	Ip54

We reserve the right to make technical changes. The values, outputs, other technical data, images, and diagrams in this prospectus and in data sheets, advertisements, and other promotional documents are approximate guidelines in all cases where they have not been identified as binding. 1 Maximum round trip efficiency shown is calculated using the single cycle round trip efficiency (SCRTE) formula used by SGIP admin.

2 Please observe our applicable warranty conditions.