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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+V40F51-R1



MODEL NUMBER	HESS+V40F51-R1
Total Energy	40.0 kWh
Nominal Power Rating	5.0 kW/10.0kW
Nominal DC Voltage	51.2V
Cell Capacity	100Ah
Cell Chemistry	LiFePo4
Current Rate	1.0C
Battery Modules	2-8
Dimensions W/H/D	290*1300*670
Max.Weight	395 Kg
Cooling	Natural and Passive
Altitude	Up to 2,500 meters (8,200 feet)
Ambient OperatingTemperature Range	Discharge: -35°C to 65C(-31F to 149F) Charge:0C to 65C(32F t 149F)
Mounting	Floor standing and Rack Mounted
Cell chemistry	LiFePO4
Design life	10-year
Warranty ²	6000 Cycles
Enclosure rating	IP23

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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.