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ORIGO Batteries



Lithium Ion Battery  
Power Solution

for Solar Residential Energy Storage

ENERGY BATTERY

**LISHEN**

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## Residential HESS<sup>+</sup>

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 VM15C154100i



MODEL NUMBER	HESS VM15C154100i
Dimensions W/H/D	700 x 1200 x 210mm
Weight (approximate)	132Kg
Usable capacity	13.8kWh
Inverter efficiency	94.5% peak
Max round-trip efficiency	185.8%
Nominal power rating (Grid-tied output at 40°C)	7.6kW
Cooling	Passive
Altitude	Up to 2,500 meters (8,200 feet)
Mounting	Standing
Battery modules	3
Total energy	15.3kWh
Nominal DC voltage	51.2VDC
DC battery input voltage	46-56VDC
Max charge current	154A
Cell chemistry	15.3kWh with 100% DoD
Ambient operating temperature range	-15°C to 55°C (5°F to 131°F)
Optimum operating temperature range	5°C to 30°C (41°F to 86°F)
Certifications	UL1741, UL1741SA, UL1973, UL9540, UN38.3
Grid Connections	IEEE 1547, IEEE 2030.5, Rule 21
Warranty	10,000 cycle system warranty –includes inverter, battery modules, cabinet and component
Enclosure rating	IP54

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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.