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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 VW10C420225



MODEL NUMBER	HESS VW10C420225
Dimensions W/H/D	700 mm*550 mm*245mm (Wall Bracket Excluded)
Weight (approximate)	98Kg
Usable capacity	10.2kWh
Max round-trip efficiency	85.8%
Nominal power rating (Grid-tied output at 40°C)	5kW
Cooling	Passive
Altitude	Up to 2500 meters (8200 feet)
Mounting	Standing
Total energy	10.2 kWh
Nominal DC voltage	51.2 VDC
DC battery input voltage	46 ~ 56 VDC
Max charge current	100A
Cell chemistry	Lithium Iron Phosphate (LiFePO4)
Ambient operating temperature range	5°F ~ 131°F (5°C ~ 30°C)
Optimum operating temperature range	41°F ~ 86°F (5°C ~ 30°C)
Certifications	UL1973, CE, UN38.3
Warranty	10,000 cycle system warranty – includes inverter, battery modules, cabinet and component
Enclosure rating	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.