





Residential Low Voltage Battery

01

Ultimate Safety

- Automotive-grade battery structure
- Multistage electrical protection
- Hidden parallel cable
- Independent BMS R&D

02

Superior Performance & Flexibility

- 98% round-trip efficiency, long-life cycle
- Up to 40kW output with 8 units in parallel
- Capacity from 5.3kWh to 42.6kWh with 8 units in parallel

03

Ultra-thin Design

- Wall-mounted, space-saving
- Silver award winner at American MUSE Design Awards

04

One-stop Solution & Compatibility

- Chosen own-branded inverters, components from single resource
- Compatible with leading residential inverters



Residential Low Voltage Battery

| Battery Specification | VR-LVB5 |
|-------------------------------|--|
| Battery System Capacity | 5.3 kWh |
| Battery Cell Capacity | 104 Ah |
| Nominal Voltage | 51.2 V |
| Operating Voltage | 48 V - 58.4 V |
| Nominal Current | 104 A |
| Max. Output Current | 104 A |
| Dimensions (W/H/D) | 630 mm*735 mm*169 mm |
| Weight | 59 kg |
| Operating Temperature | -20°C ~ 55°C |
| Cell Technology | LFP |
| Protection Rating | IP55 |
| Installation | Wall-Mounted |
| Max. Number of Parallel Packs | 8 units (42.6 kWh) |
| Communication | RS485 / CAN |
| Applications | ON Grid, ON Grid+Backup, OFF Grid |
| Warranty | 10 Years |
| Life Cycle | ≥6000 |
| Compatible Inverters | VR-G1-5K1P |
| Certificates | CE, IEC /EN62619, IEC/EN61000, RoHS, Reach, WEEE, UN38.3, MSDS |