



**VORIS**  
SUSTAINABLE ENERGY

# VR - B16 - LV

## 16.07kWh

### Home Energy Storage Battery

The VR - B16 - LV is a 16.07kWh high-capacity lithium iron phosphate (LiFePO<sub>4</sub>) battery designed for residential and light commercial energy storage systems.

It delivers enhanced energy density, long service life, and stable performance for daily solar self-consumption and backup power applications.



**WiFi / Bluetooth Remote Monitoring (Optional)**



**Battery Equalization**  
Advanced Battery Equalization for Mixed SOC Modules



**Up to 64 Modules in Parallel**



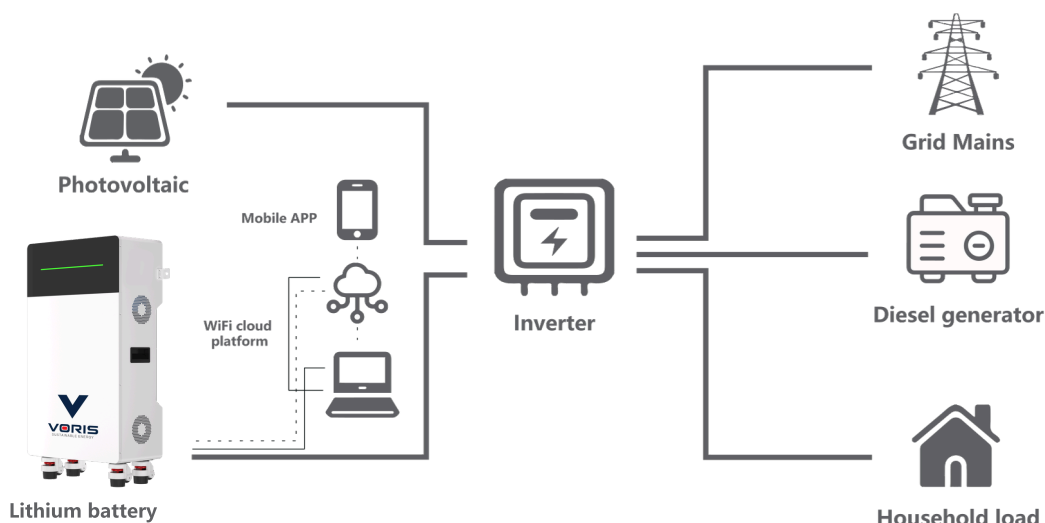
**Wide Inverter Compatibility**



**Comprehensive Multi-Layer Protection**



**5-Year Standard Warranty**



| Product Model                | VR - B16 - LV   |
|------------------------------|---|
| Nominal Energy               | 16.07kWh  |
| Nominal Voltage              | 51.2V   |
| Nominal Capacity             | 314Ah   |
| Cell Type                    | LFP   |
| Standard Charge Voltage      | 56.8V   |
| Max.Charge/Discharge Current | 200A  |
| Discharge Cut-Off Voltage    | 44.8V   |
| Parallel Function            | Default 16 (Optional: up to 33 or 64)   |
| Communication Interface      | RS485/RS232/CAN   |
| Cycle Life                   | ≥10000 Cycles (25°C±, 0.35C, 90%DOD@65%EOL)   |
| Charge Temperature Range     | 0~55°C  |
| Discharge Temperature Range  | -20~55°C  |
| Certification                | Pack: CEI 0-21/CE/IEC 62619/UL1973 by Intertek/MSDS/UN38.3<br>Cell: UL1642/IEC 62619/CE/EMC/ROHS/MSDS/UN38.3  |
| Dimension                    | 490*840*247mm (Excluding Wheels)  |
| Net Weight                   | 121Kg   |
| Installation Method          | Wall-Mounted/Floor Standing   |
| Warranty                     | 5 years warranty  |
| Energy Throughput            | 70MWh   |
| Display <sup>[1]</sup>       | LED Light   |
| Optional                     | Fire Extinguishing, Wifi Module, Remote Monitoring  |
| Protection                   | IP20 Waterproof rate, Over charge/discharge/current/voltage/temperature protection, Short circuit protection, Reverse connection protection, Charge balance, Low SOC protection |

[1] Conditions apply, refer to warranty letter.