



EFFICIENCY PACKED IN EVERY CELL

RESIDENTIAL SUBRACK SYSTEM – LVI-5.0



01 Upgrade your backup
Go lithium

02 The everyday backup
you can trust

03 Efficient backup that
saves space and energy



Residential Subrack System-LVI

EVE-LVE-5.0

01 Smart and Flexible Design

- Easy to install with a modular, tool-free setup.
- Standard design that fits 19-inch cabinets with a 3U height.
- Flexible configuration to meet different power needs.

02 Long-Lasting and Safe Power Cells

- Uses long-lasting LFP cells designed to perform for up to 15 years.
- Smart BMS system ensures safety with multi-layer protection and monitoring.
- Certified to meet strict industry standards for energy storage safety.

03 Wide Compatibility for Every Setup

- Can connect up to 15 systems in parallel for higher capacity.
- Supports MODBUS and CAN communication protocols.
- Works seamlessly with all Tier 1 inverters for small industrial and commercial use.

BATTERY SPECIFICATION SHEET

Technical Parameters	EVE-LVI-5.0
Module	1P16S
Rated Energy	5.12kWh
Rated Voltage	51.2V
Weight	43kg
Dimensions (H×W×D)	130.5/150mm × 500 × 442
Rated Capacity	100Ah
Maximum Discharging Current	100A
Depth of Discharge (DOD)	90%
Communication	RS485/2 / CAN2
Scalability	Supports up to 15 batteries in parallel
Humidity	≤70% (no condensation)
IP Rating	IP20
Cycle Life	≥5000 cycles (use per specification)
Certification	CE, UN38.3, IEC62619, UL9540A (existing); UL1973 (with the design meeting the standard requirements)
Design Service Life	15 years
Matching Inverter	Knox / Goodwe / Growatt / Pylontech / Deye / Solis / ITEL and others.