Residential Battery Storage Series

Low-voltage and high-voltage home storage | 5.12-40.9 kWh modular battery configurations

5.12-16 kWh	15.3-40.9 kWh	51.2 V	IP21 / IP65
Low-voltage modules	**High-voltage stacks**	**LV nominal voltage**	**Product-dependent enclosure**



Product overview

- Modular low-voltage batteries for wall or floor installation.
- High-voltage stack options for larger residential storage.
- Integrated BMS protection and inverter communication.
- Parallel expansion is subject to the selected platform.
- A dedicated 16 kWh floor-mounted model is documented separately.

Representative configurations

Platform	Energy	Voltage / current	Format	Application
Low-voltage module	5.12-16 kWh	51.2 V; 100-200 A	Wall / floor stack	Home solar storage
High-voltage stack	15.3-40.9 kWh	204-409 V	Floor-standing	Larger homes
AC-coupled ESS	5.12 kWh modules	2.5 / 5 kW	Modular tower	Retrofit systems

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16 kWh floor-mounted reference

Model	LB-FM16K-EU
Nominal voltage	51.2 V
Nominal capacity	314 Ah
Dimensions	440 x 260 x 800 mm
Weight	125 kg
Charging voltage	58.4 V
Discharge voltage	40 V
Communication	RS485, RS232 and CAN
Protection rating	IP21
Certification	IEC 62619, CE and UN38.3

Configuration notes

- Cycle-life and warranty values vary by exact model and configuration; confirm the current approved specification for the selected product.
- Inverter protocol, certificate scope, market availability and warranty are confirmed for the final configuration.
- Configuration and availability remain subject to project review.

Source basis: current HONKILO product pages and supplied product catalog material. Specifications, model availability, certification, warranty and commercial terms are confirmed for the final configuration.