



RACK BATTERY Era L2

The POWEROAD Wall Mounted Battery H-U51100 is a BESS that covers a variety of application scenarios, including backup power supply, peak shaving and more, users can extend the system capacity by adding more battery modules to achieve a longer range of performance.

Given the credit to the POWEROAD BMS, the systems will automatically trigger three layer over-current protection ensure powerful output and safety.

Starting with 1 module of 51.2V 102Ah batteries, users can configure the system capacity according to requirement from 5.22kWh to 78.30kWh with easy installation



PRODUCT FEATURES Era L2

- Scalable from 5.22kWh to 78.30kWh power configurations.
- Modular design allows convenient installation, more operation.
- Safest LiFePO4 technology, sustained power supply.
- Long lifespan, up to 8000 cycles.
- Armed with POWEROAD designed BMS, three layer over current protection, safety first.
- Floor space sparing, allowing more space management.
- RS485, CAN communication support. Wi-Fi / BLE optional.
- Compatible with mainstream brand inverters: Growatt, Deye, Sunsync, Victron, Studer, Aiswei, Voltronic, MEGAREVO, Afore, SRNE...
- Remote access with Bluetooth / WiFi for monitoring, to reduce operation and maintenance costs.



Small Form Factor
Sparing Floor Space



Powerful Energy Supply
Trusted & Sustained



Easy to Install
Easy to Transport



Parallel System
5.22 kWh to 78.30 kWh

TECHNICAL PARAMETER

Era L2



Technical Parameters

Battery Module Model	H-U51100
Cell Technology	LiFePO4
Battery Module Voltage (Vdc)	51.2
Battery Module Capacity (Ah)	102
Battery Module Capacity (kWh)	5.22
Battery Module Usable Capacity (kWh)	5.12
Communication	CAN, RS485 / Wi-Fi, BLE (optional)
Cycle Life (Cycles)	8000
Battery Module Charge Upper-Voltage (Vdc)	57.6
Battery Module Discharge Lower-Voltage (Vdc)	43.2
Max. Charge/Discharge Current (Amps)	100
Configuration (modules per group)	up to 15pcs in parallel

Mechanical Parameters

Dimension (W×D×H, mm)	442×450×145
Weight (kg)	48 (±0.5)
Protection Class	IP20
Cooling Type	Natural Cooling
Charge Temperature Range (°C)	0 ~ 50
Discharge Temperature Range (°C)	-10 ~ 55
Humidity	5 ~ 85% (without condensation)
Certificate	CE, UN38.3

Compatible inverters



Powerroad Renewable Energy Co., Ltd.

Office: 18th Floor, F5 Building, Xiamen Software Park III, Jimei District, Xiamen, Fujian, China 361023
 Factory: Building 7-1, No. 1068, Jimei North Avenue, Jimei District, Xiamen City, Fujian, China 361023

+86 592 5558101
 sales@poweroad.com
 www.poweroad.com

POWERROAD reserves the right to modify the specifications and features without prior notice.