




Racking Battery System Era H1

The POWERROAD High Voltage Rack Battery H-U10250HV 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 series connection more battery modules to achieve a larger power and of performance.

Given the credit to the POWERROAD BMS, the systems will automatically trigger four layer protection ensure powerful output and safety. Starting with 1 module of 102.4V 52Ah batteries, users can configure the system capacity according to requirement from 5.32kWh to 212.99kWh with easy installation.



PRODUCT FEATURES Era H1

- Scalable from 5.32kWh to 212.99kWh power configurations.
- Modular design allows convenient installation, more operation.
- Safest LiFePO4 technology, sustained power supply.
- Long lifespan, up to 8000 cycles.
- Armed with POWERROAD designed BMS, four layer over current protection, safety first.
- Floor space sparing, allowing more space management.
- RS485, CAN communication support. WiFi/Bluetooth optional.
- Series conenction providing higher efficiency and larger power.
- With Self-desigend Dual-Protocol Module PoweroadConnect  (WiFi/Bluetooth), it can be easily to monitor the battery status through the APP/Web end and do the debugging any time and anywhere.



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 H1



Technical Parameters	
Battery Module Model	H-U10250HV
Cell Technology	LiFePO4
Battery Module Voltage (Vdc)	102.4
Battery Module Capacity (Ah)	52
Battery Module Capacity (kWh)	5.32
Battery Module Usable Capacity (kWh)	5.12
Communication	CAN, RS485 / Wi-Fi, BLE (optional)
Cycle Life (Cycles)	8000
Battery Module Charge Upper-Voltage (Vdc)	115.2
Battery Module Discharge Lower-Voltage (Vdc)	86.4
Max. Charge/Discharge Current (Amps)	50
Configuration (modules per group)	8pcs in series, 5 Tower in parallel
Mechanical Parameters	
Dimension (mm)	442*450*145
Weight (kg)	48 (±0.5)
Protection Class	IP20
Cooling Type	Natural Cooling
Charge Temperature Range (°C)	0 ~ 45
Discharge Temperature Range (°C)	-10 ~ 45
Humidity	5% ~ 85% (without condensation)
Certificate	CE, UN38.3