

EBrick

Rack Mounted LV Battery System

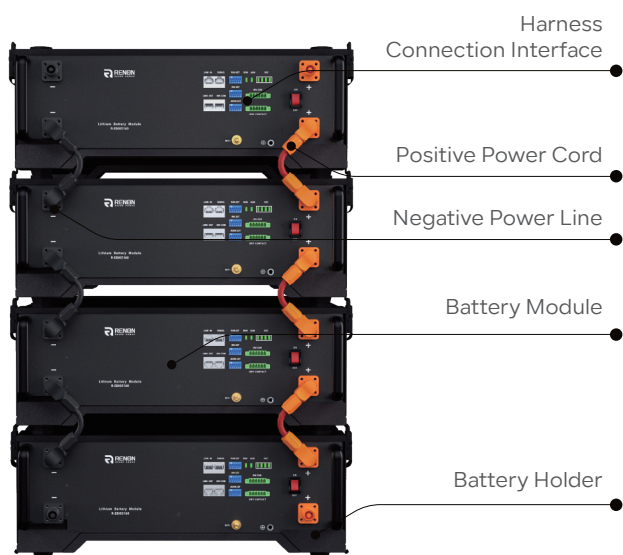
Modular Design and Easy Installation: EBrick's rack-mount design allows for customizable and simple installation, with the flexibility to connect multiple units in parallel. This reduces installation time and costs.

WiFi Connectivity and App Control: EBrick features WiFi connectivity, enabling users to remotely monitor and control the system via a dedicated app. This enhances user experience with real-time monitoring and efficient system management.

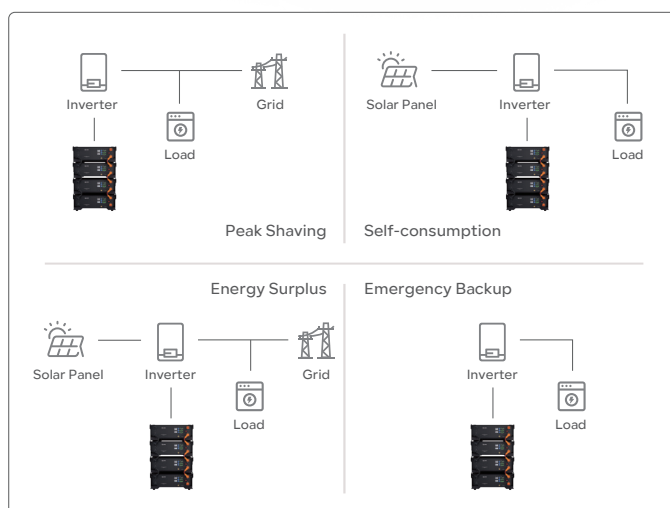
Stable LiFePO4 Battery Technology: EBrick uses reliable lithium iron phosphate (LiFePO4) batteries, offering up to 8000 cycles. Its efficient battery management system ensures high performance and safety.



Product Details



System Layout



Application Scenario



Battery Energy Storage	
Battery Chemistry	LiFePO4
Cell Capacity (Ah)	100
Nominal Energy (kWh)	5.12
Output Power (kW)	4.8
Default Voltage (V)	51.2
Voltage Range (V)	43.2 ~ 59.2
Max. Operation Current (A)	95
Primary Overcurrent Protection (A)	98@10S
Secondary Overcurrent Protection (A)	120@30mS
Max. Charging Voltage (V)	58.4
Discharge Cut-off (V)	43.2
Recommended Charging Voltage (V)	56.8
Dimension - W*D*H (mm/in)	440*420*132/17.3*16.5*5.2
Net Weight (kg/lb)	~45/~99.2

General Parameters	
Scalability	Max. 31 systems in parallel
Storage Conditions	-4°F ~ 131°F(32°F ~ 95°F Recommended) Up to 90%RH, non-condensing Initial SoC: 50%
Operating Temperature	Charge: 32°F ~ 122°F Discharge: -4°F ~ 122°F
Cooling	Natural Cooling
Max. Altitude	4000m / 13123ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, WiFi

System Characteristic	
Battery Model	R-EB005161
Battery Compliances	UL1973, UL9540A, IEC 62619, UN 38.3 CEI 0-21, UKCA, EN-61000, EN-62311
Installation Method	Rack Mounting
Installation Scene	Indoor
IP Rating	IP20
Warranty [1]	10 Years

[1] Please refer to the warranty letter for details

Packaging & Shipping Details

