

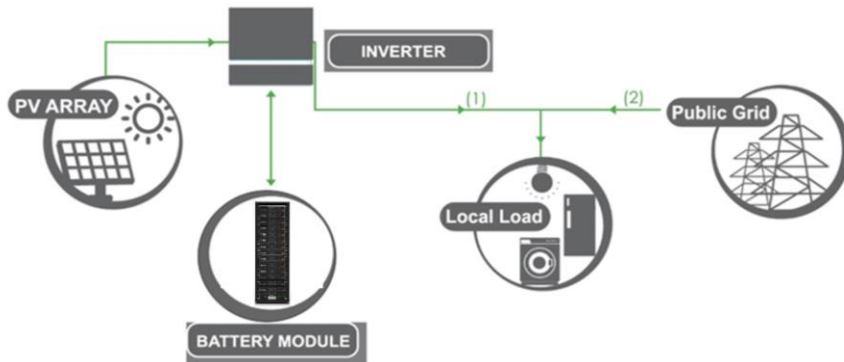


High Voltage Energy Storage Battery PowerBrick-R1 Specification











Application

Be specially designed for multiple energy storage application scenarios including household, data center, and commercial building, bank, hospital, school, railway station, airport and telecom, etc.



Feature

 <p>Cell Balance Function</p>	 <p>Soft Start Function</p>	 <p>Over Charge Protection</p>	 <p>Over Discharge Protection</p>
 <p>Voltage Protection</p>	 <p>Over Current Protection</p>	 <p>Short Current Protection</p>	 <p>Temperature Protection</p>

Advantages

- | | |
|---|---|
|  <p>① Long Design Life</p> |  <p>④ Multiple Protection;</p> |
|  <p>② Modular Design;</p> |  <p>⑤ TUV Certification;</p> |
|  <p>③ Scalable & Flexible;</p> |  <p>⑥ Easy of Maintenance;</p> |

Specification

No.	Items	Specification
1	Product Name	Rechargeable Lithium Iron Phosphate Battery
2	Battery Type	LFP 1P16S
4	Nominal Capacity	5.32kWh
5	Usable Capacity	5.05kWh (95% DOD)
6	Nominal Voltage	51.2V
7	Working Voltage	45.6~57.6V
8	Charging Voltage	56V
9	Max. Charge Current	50A
10	Max. Discharge Current	100A
11	Communication	RS485, CAN, WIFI
12	Storage Temperature	0°C ~ 45°C (Recommended)
13	Storage Humidity	≤85% (RH)
14	Working Temperature	Charging: -10°C ~ 50°C Discharging: -20°C ~ 50°C
15	Working Humidity	≤95% (RH) No Condensation
16	Working Altitude	≤2000m
17	Ingress Protection	IP20
18	Protective Class	I
19	Weight	47Kg
20	Dimension(W*D*H)	440mm *585mm *130mm
21	Design Life	15 Years (25°C)
22	Cycle Life	> 6000 (25°C)
23	Scalability	Module: Max. 12S
24	Certification	CE, IEC62619, IEC61000-6-1/3, UN38.3

High Voltage Rack Battery System

The system have up to 12 modules in series, supports a maximum of 8 battery clusters in parallel.

No.	Items	Specification
1	Product Name	High Voltage Rack Battery System
3	Nominal Capacity	63.84kWh
4	Usable Capacity	60.64kWh
5	Nominal Voltage	614.4 V
6	Working Voltage	547.2~ 691.2 V
7	Charging Voltage	681.6 V
8	Max. Charge Current	50A
9	Max. Discharge Current	100A
10	Weight	726kg
11	Dimension(W*D*H)	580mm*650mm*2200mm
12	Design Life	15 Years (25°C)
13	Scalability	Max. 8 in parallel (Capacity 511kWh)



Far East Battery Jiangsu Co., Ltd

Beitou Environmental Protection Industry Park,

Keji Avenue, Yixing City, Wuxi City,

Jiangsu Province

<http://en.febattery.com/>