

PowerBrick

PowerBrick is a low-voltage product designed for household energy storage scenarios with a stylish and elegant appearance. It uses a high-capacity 280Ah battery to support 50 parallel units with a capacity range from 14.3kWh to 716.8kWh. It provides a highly safe, reliable, intelligent and friendly experience.



Flexible Expansion

Up to 50 units in parallel,
14.3kWh--716.8kWh capacity



No Black Out

Maximum discharge current:
200A, simultaneously supplying
power to multiple loads



Ultra Safe

Intelligent fire extinguishing system,
detects and extinguishes fires in
5s(optional)



Easy Installation

60% less volume, 25% less weight.
Easy to move by one person with
wheels



Automatic Self-heating

-20°C to 55°C operating temperature
(optional)



Smart Management

Real-time system monitoring, remote
control, OTA updates

| Model | PowerBrick |
|--------------------------------------|--|
| Battery Type | LiFePO ₄ |
| Nominal Battery Energy | 14.336kWh |
| Nominal Voltage/Capacity | 51.2V/280Ah |
| Recommended Charge/Discharge Current | 140A (0.5C) |
| Max. Charge Current | 200A |
| Max. Discharge Current | 200A |
| Peak Discharge Current | 300A (2mins, 25°C) |
| Depth of Discharge | 95% |
| Communication | CAN/RS485 |
| Cycle Life* | ≥8000 Cycles / 10 Years |
| Protection Level | IP20 |
| Net Weight | 114Kg |
| Dimension[W*D*H] | 435*233*857mm (No wall –mounted bracket) |
| Regulating wheel (4pcs) | 1kg,80/80/80 (Optional) |
| Top cover | 2kg,422/232/60 (Optional) |
| Maximum Parallel Modules | 50 |
| Charging Temp. Range | 0~55°C/-20~55°C (Optional) |
| Discharging Temp. Range | -20~55°C |
| WIFI Module | Built-in WIFI module; APP OTA function |
| Fire Protection System | Built-in aerosol fire extinguisher |
| Certification & Safety Standard | UN38.3/CE-EMC/IEC62619/GOST-R |
| Compatible Inverters | SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc. |

* Test conditions: 0.2C Charging & Discharging. @25°C, 95% DOD

