

# PowerBrick Pro

PowerBrick pro is a low-voltage product designed for household energy storage scenarios. It has a high IP65 protection rating and supports indoor and outdoor installation. It uses a high capacity 280Ah battery to support 50 parallel units with a capacity range from 14.3kWh to 716.8kWh, easily satisfying home power needs.

### Fast Charge/Discharge

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

### Ultra Safe

Intelligent fire extinguishing system, detects and extinguishes fire in 5s

### Automatic Self-heating

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

### Easy Installation

easy to move by one person with wheels(optional)

### Long-term Reliability

280Ah LFP cells,8000+ cycles, 10-year warranty

### IP65 Protection

Fearless of outdoor insatallition, strong environmental adaptability

| Model | PowerBrick Pro |
|---|---|
| Battery Type | $LiFePO_4$ |
| Nominal Voltage/Capacity | 51.2V/280Ah |
| Nominal Battery Energy | 14.336kWh |
| Operating Voltage | 44.8V~57.6V |
| Recomended Charge & Discharge C Rate | 0.5C |
| Recommended Charge/Discharge Current | 140A |
| Max. Charge Current | 200A |
| Max. Discharge Current | 200A |
| Peak Discharge Current | 300A(2min, 25℃) |
| Cycle Life * | ≥8000 cycles/10 Years |
| Depth of Discharge (DOD) | 95% |
| Charge Temperature | 0℃~55℃/-20℃~55℃（optional） |
| Discharge Temperature | -20℃~55℃ |
| Protection Level | IP65 |
| Dimension[W*H*D] | 435/235/850mm |
| Net Weight | 115kg |
| Maximum Parallel Modules | 50 |
| WIFI Module | Built-in WiFi module, APP OTA |
| Fire Protection System | Built-in aerosol fire extinguisher |
| Regulating wheel（4pcs） | 1kg,80/80/80 (optional) |
| Top cover | 2kg,422/232/60 (optional) |
| Communication | CAN/RS485 |
| Certification | UN38.3/IEC62619/CE-EMC |
| Compatible Inverters | SMA/Victronenergy/Ingeteam/Solis/GoodWe/Growatt/Solplanet//Luxpower/DEYE /Apsystem etc. |

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