

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.



Ultra Safe

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



No Black Out

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



Flexible Expansion

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



Easy Installation

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



Long-term Reliability

LFP cells, 8000+ cycles



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)
Short-circuit Current	380A
Depth of Discharge	95%
Cycle Life[1]	≥8000 cycles / 10 Years
Protection Level	IP20
Net Weight	114Kg
Round Trip Efficiency	≥92%
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
Operating Temperature	0°C~55°C/-20°C~55°C(optional)
Storage Temperature[2]	-10°C~45°C
BMS Brand	Dyness
BMS Model	bms_200a_main_mos_V1
Communication	CAN/RS485
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/CEI 0-21/IEC63056
Compatible Inverters	SMA/Victron energy/Ingteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

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

[2] Recharge every six months.

