

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 fire in 5s



Fast Charge/Discharge

Maximum charge/discharge power: 10.24kW, simultaneously supplying power to multiple loads



Flexible Expansion

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



Easy Installation

Supports wall-mounted and floor-mounted installations, easy to move by one person with wheels



Long-term Reliability

280Ah LFP cells, 8000+ cycles, 10 years warranty



Automatic Self-heating

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

Model	PowerBrick
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	14.336kWh
Usable Battery Energy	13.619kWh
Nominal Capacity	280Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C (140A)
Max. Charge C Rate	0.71C (200A)
Max. Discharge C Rate	0.71C (200A)
Peak Discharge Current (25°C)	300A, 2min
Recommended Charge & Discharge Power	7.168kW
Max. Charge Power	10.24kW
Max. Discharge Power	10.24kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0°C~55°C/-20°C~55°C(optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	114kg
Dimension[W/D/H]	435/233/857mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life ^[1]	≥8000 Cycles
User Interface	WIFI+APP
Safety Protection	Built-in aerosol fire extinguisher
Installation	Floor-mounted, Wall-mounted
Regulating wheel (4pcs)	1kg,80/80/80(optional)
Top cover	2kg,422/232/60(optional)
Expansion	Up to 50 units in parallel
Warranty Period ^[2]	10 Years
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI O-21
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, 70%EOL

[2] Refer to Dyness Warranty Letter

