

PowerBrick Max

PowerBrick Max is a low-voltage product designed for household energy storage scenarios with a stylish and elegant appearance. It uses a high-capacity 314Ah battery to support 50 parallel units with a capacity range from 16.07kWh to 803.5kWh. 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 current: 200A, simultaneously supplying power to multiple loads

Flexible Expansion

Up to 50 units in parallel, 16.07kWh--803.84kWh capacity

Easy Installation

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

Long-term Reliability

314Ah LFP cells, 8000+ cycles, 10 years warranty

Automatic Self-heating

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

Model	PowerBrick Max
Battery Type	$LiFePO_4$(LFP)
Nominal Battery Energy	16.076kWh
Usable Battery Energy	15.272kWh
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.45C (140A)
Max. Charge C Rate	0.64C (200A)
Max. Discharge C Rate	0.64C (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	116Kg
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/IEC62619
Compatible Inverters	SMA/Victron Energy/Ingeteam/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