PowerBrick Plus

PowerBrick Plus 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 314Ah battery to support 50 parallel units with a capacity range from 16kWh to 803kWh, easily satisfying home power needs.

Fast Charge/Discharge

Maximum charge/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

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

Long-term Reliability

314Ah LFP cells, 8000+ cycles, 10-year warranty

IP65 Protection

Fearless of outdoor installation, strong environmental adaptability

Model	PowerBrick Plus
Battery Type	$LiFePO_4$
Nominal Battery Energy	16.07kWh
Usable Battery Energy	15.27kWh
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	119kg
Dimension [W/D/H]	435/235/850mm
Protection Level	IP65
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	Solis/Goodwe/Growatt/SMA/Victron/Deye/APsystem etc.

[1] Test conditions: 0.2C Charging& Discharging, 25℃, 95% DOD, 70%EOL

[2] Refer to Dyness Warranty Letter