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DYNESS

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.

Flexible Expansion

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

No Black Out

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

Ultra Safe

Intelligent fire extinguishing system, detects and extinguishes fire in 5s(optional)

Easy Installation

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

Automatic Self-heating

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

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)
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life*	≥8000 Cycles / 10 Years
Protection Level	IP20
Net Weight	114Kg
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
Charging Temp. Range	0~55°C/-20~55°C (Optional)
Discharging Temp. Range	-20~55°C
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/GOST-R
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

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