

# PowerBrick Pro

PowerBrick pro 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 280Ah battery to support 50 parallel units with a capacity range from 14.3kWh to 716.8kWh, easily satisfying home power needs.



## Fast Charge/Discharge

Maximum 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

easy to move by one person with wheels(optional)



## Long-term Reliability

280Ah LFP cells, 8000+ cycles, 10-year warranty



## IP65 Protection

Fearless of outdoor installation, strong environmental adaptability

Model	PowerBrick Pro
Battery Type	LiFePO <sub>4</sub>
Nominal Voltage/Capacity	51.2V/280Ah
Nominal Battery Energy	14.336kWh
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	140A
Max. Charge Current	200A
Max. Discharge Current	200A
Peak Discharge Current	300A(2min, 25°C)
Cycle Life*	≥8000 cycles/10 Years
Depth of Discharge (DOD)	95%
Round Trip Efficiency	≥92%
Short-circuit Current	380A
Operating Temperature	0°C~55°C/-20°C~55°C (optional)
Storage Temperature**	-10°C~45°C
Protection Level	IP65
Dimension [W/D/H]	435/235/850mm
Net Weight	115kg
Maximum Parallel Modules	50
WIFI Module	Built-in WiFi module, APP OTA
Fire Protection System	Built-in aerosol fire extinguisher
Regulating wheel (4pcs)	1kg,80/80/80 (optional)
Top cover	2kg,422/232/60 (optional)
BMS Brand	Dyness
BMS Model	bms_200a_main_mos_V1
Communication	CAN/RS485
Certification	UN38.3/IEC62619/CE-EMC/IEC63056
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet//Luxpower/DEYE/Apsystem etc.

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

\*\* Recharge every six months.

