

PowerBrick

The DYNESS battery PowerBrick module is widely used in energy storage sector. It adopts modular design and can be used for residential applications. The reliable LiFePO₄ technology ensures maximum safety and a longer life cycle.



Compared to the previous generation, the size is reduced by 24%, and the capacity increases by 40%



Continuous discharge current 200A, maximum continuous discharge power 10kW



Fire Protection System: Optional Aerosol fire extinguisher



Unlimited Cycles / 10 Years



Maximum can be expanded to 716.8kWh(no HUB)

Technical Specifications

Model	PowerBrick
Battery Type	LiFePO4
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
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life ^[1]	Unlimited cycles / 10 Years
Protection Level	IP20
Net Weight	114Kg
Dimension[W*D*H]	435*233*857mm (No wall -mounted bracket)
Maximum Parallel Modules	50
Charging Temp. Range	0 ~ 55°C
Discharging Temp. Range	-20 ~ 55°C
WIFI Module	Built-in WIFI module; APP OTA function
Fire Protection System	Optional Aerosol fire extinguisher
Certification & Safety Standard	UN38.3; CE; IEC62619
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis /GoodWe/Growatt/Soplanet/SOFAR/SAJ/DEYE etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD