DYNESS

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 LiFeP04 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℃
Discharging Temp. Range	-20 ~ 55℃
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℃, 95% DOD

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