

# 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 <sup>[1]</sup>            | 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  |
| Compatible Inverters                 | SMA/Victron/ngeteam/Delios/Goodwe/Solis /Deye/SAJ/Voltronic/Sungrow etc |

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