

# STACK100

Stack100 is suitable for residential and small commercial and industrial scenarios. Rackless and stackable design is easy to plug and play. It supports 12 clusters in parallel with a maximum capacity of 921kWh and supports 1C charge/dscharge.



### Flexible Expansion

Up to 12 clusters in parallel, 15KWh--921KWh capacity



### Ultra Safe

Intelligent fire extinguishing system detects and extinguishes fires in 5s



### 1C Rate

Suitable for grid frequency regulation charging stations and other scenarios cost saving



### Easy Installation

0 wiring rackless free stacking, plug-and-play one cluster installat on in 30min



### Long-term Reliability

LFP cells 6000+ cycles



### Module Mixing

Free mixing of modules within three years

# Specification

| Model                                | STACK100  |
|--------------------------------------|---|
| Battery Type                         | LiFePO4   |
| Module Voltage/Capacity              | 51.2V/100Ah   |
| Single Module Weight                 | 47Kg  |
| System Modules Serial Number         | 3-15  |
| System Energy Range                  | 15.36-76.8kWh   |
| Operating Voltage                    | 134-864V  |
| Recommended Charge/Discharge Current | 50A (0.5C)  |
| Max.Charge/Discharge Current         | 100A (1C)   |
| Peak Discharge Current(2min 25°C)    | 125A(1.25C)   |
| Depth of Discharge                   | 95%   |
| Communication                        | CAN/RS485   |
| Cycle Life *                         | ≥6000 Cycles  |
| Single Cluster Dimension[W*D*H](mm)  | 590*390*(233+133*n),"n" stands for the number of battery modules        |
| Charging Temp. Range                 | 0~55°C/-20~55°C (Optional)  |
| Discharging Temp. Range              | -20~55°C  |
| Protection Level                     | IP20  |
| Fire Protection System               | Aerosol fire extinguisher   |
| Installation method                  | Stack type  |
| Cooling method                       | Forced wind cooling   |
| WiFi Module                          | Built-in WiFi module; APP OTA function                                  |
| Certification & Safety Standard      | CE-EMC/CE-RED/62619/63056/62477/62040/UN38.3                            |
| Compatible Inverters                 | Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/Hoymiles/SOLINTEG ect. |

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

Note: This specification is only suitable for South Africa



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Information might be subject to change without notice during product improving.

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