

# 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/discharge.



## Flexible Expansion

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



## Ultra Safe

Intelligent fire extinguishing  
system, detects and extinguishes  
fire 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  
installation in 30min



## Automatic Self-heating

-20°C to 55°C operating  
temperature (optional)



## Battery Equalization

Free mixing of modules  
within three years

# SPECIFICATION

| Model                                | STACK100                                                                |
|--------------------------------------|-------------------------------------------------------------------------|
| Battery Type                         | LiFePO <sub>4</sub>                                                     |
| 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*                          | ≥8000 cycles / 10 Years                                                 |
| Single Cluster Dimension[W/D/H] (mm) | 590/390/(233+133*n),"n" stands for the number of battery modules        |
| Charging Temp. Range                 | 0°C~55°C/-20°C~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                                  |
| Battery Module Name                  | S51100                                                                  |
| 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

