DYNESS

# 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 | $LiFePO_4$ |
| 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