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