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 units in parallel, 15KWh--921KWh capacity

Ultra Safe
Intelligent fire extinguishing system, react within 5 seconds

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

Long-term Reliability
LFP cells, 8000+ cycles, 0 decay in 3 years, 10 years long warranty

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 *	≥8000 cycles / 10 Years
Max. Single Cluster Dimension[W*D*H](mm)	591*390*1700mm-11 module
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Protection Level	IP20
Fire Protection System	Built-in 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/IEC62619/IEC63056/IEC62477/IEC62040/UN38.3
Compatible Inverters	Solis/Deye/SOLINTEG/Growatt/Goodwe/MEGAREVO/SAJ/Sinexcel/ATESS/Hoymiles etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 95% DOD
Note：This specification is only suitable for Southeast Asia

www.dyness.com   sales@dyness-tech.com