Tesla Solar SA

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 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
Single Cluster Dimension[W*D*H]	590*390*(233+133*n),"n" stands for the number of battery modules
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