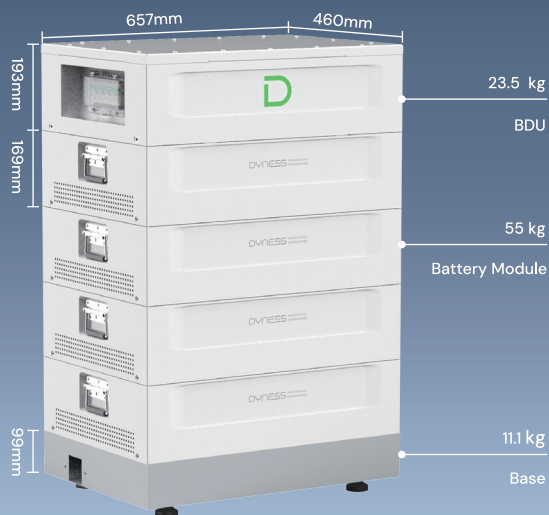


STACK100 Pro NEW

5.12 kWh / Module, 76.8 kWh / System
Parallel up to 921 kWh



Compact Design Flexible Deployment



Wiring-free Stack-up, Plug-and-Play

One cluster installation in **30min**



Charge/Discharge Faster

1C (100A)

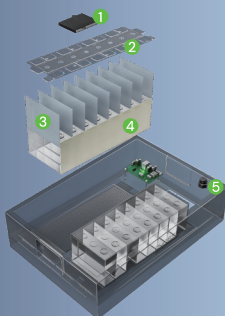
Wide Operating Temperature Range

-20°C
(optional)

55°C

Five-layer safety protection, IP66 high protection rating

- 1 Aerosol fire extinguisher
- 2 Temperature detection
- 3 Aerogel pad between batteries(optional)
- 4 Fireproof protection for the module(optional)
- 5 Pressure relief valve



Battery Equalization

Free mixing of modules **within 3 years**



SPECIFICATION

Model	STACK100 Pro
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	5.12 kWh
Usable Battery Energy	4.864 kWh
Nominal Capacity	100 Ah
Nominal Voltage	51.2 V
Module Number per Cluster	3~15 Pcs
Operating Voltage	134.4 V~864 V
System Energy Range	15.36 kWh~76.8 kWh
Recommended Charge & Discharge C Rate	0.5C (50 A)
Max. Charge & Discharge C Rate	1C (100 A)
Peak Discharge Current (25°C)	125A, 2min
Recommended Charge & Discharge Power	2.56 kW
Max. Charge & Discharge Power	5.12 kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0°C~55°C/-20°C~55°C (optional)
Discharge Temp. Range	-20°C~55°C
Net Weight (kg) ^[1]	34.6+55*n
Single Cluster Dimension (W/D/H) ^[2]	657/460/292+169*n
Protection Level	IP66
Communication	CAN/RS485
Cycle Life ^[3]	≥8000 Cycles
User Interface	WIFI+APP
Safety Protection	Pressure relief valve, Aerosol fire extinguisher, Temperature probe. Aerogel pad between batteries(optional), Fireproof protection for the module(optional)
Cooling Method	Natural Cooling
Installation	Cable-free stacking
Expansion	Up to 12 clusters in parallel
Warranty Period ^[4]	10 Years
Battery Module Name	S51100 pro
Certification & Safety Standard	CE-EMC/CE-RED/IEC62619/63056/62477/62040/UN38.3/VED2510
Compatible Inverters	Solis/GoodWe/Growat/Deye/Solinteg/KOSTAL/Ingeteam/SINENG etc.

Module	SBDU100 Pro
Operating Voltage	134.4V~864V
Maximum Continuous Current	100A
Dimension (W/D/H)	657/460/193mm
Weight	23.5 kg
Protection Level	IP66

[1] Net Weight of Expansion Base and Expansion Upper Cover: 18.8kg. "n" stands for the number of battery modules

[2] Height of Expansion Upper Cover: 92mm

[3] Test conditions: 0.2C Charging & Discharging, 25°C, 95% DOD, 70%EOL

[4] Refer to Dyness Warranty Letter

