

STACK100

The Dyness STACK100 energy storage system is widely used in energy storage sector. It adopts modular design and can be used for res-idential and C&I applications. The reliable LiFeP04 technology ensures maximum safety and a longer life cycle.



Each pack has an independent fire extinguishing device.



1C Discharge,
Built-in Air-cooling System



Single System Capacity:
15.36-76.8kwh,
Expandable up to 921.6kWh in parallel



Convenient installation and
Total installation time ≤1h



Flexible space layout ability

Technical Specifications

Model	STACK100
Battery Type	LiFePO4
Module Voltage/Capacity	51.2V/100Ah
System Modules Serial Number	3~15
System Energy Range	15.36~76.8kWh
Operating Voltage	134~876V
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 ^[1]	≥ 8000 cycles
Signal Module Weight	47Kg
Max. Single Cluster Dimension [W*D*H]	591*390*1700mm – 11 module
Charging Temp. Range	0 ~ 55°C
Discharging Temp. Range	-20 ~ 55°C
Protection Level	IP20
Fire Protection System	Aerosol fire extinguisher
Installation method	Stacked type
Cooling method	Fan cooling
WIFI Module	Built-in WIFI module; APP OTA function
Certification & Safety Standard	CE-EMC/CE-RED/62619/63056/62477/62040 /UN38.3
Compatible Inverters	Deye/Goodwe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec/ATESS/Sunways etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD