

STACK LV NEW

5.12kWh--256kWh Capacity
Low-voltage Stacked
Energy Storage Battery

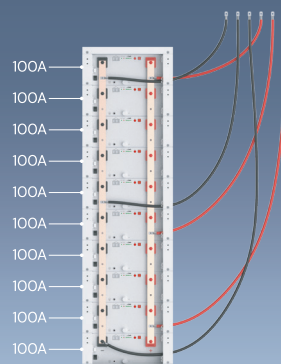


Modular Design
Flexible Deployment



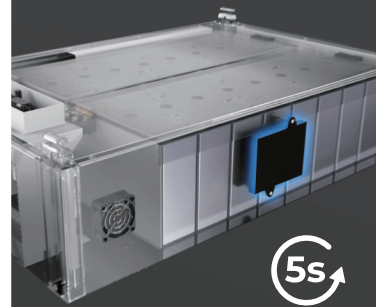
1C Discharge, Power More

Multi-channel output
for efficient current sharing



Ultra Safe

Built-in aerosol fire extinguisher
to eliminate fire risks



Wide Operating Temperature Range

-20°C

Cold resistant down to
(optional)

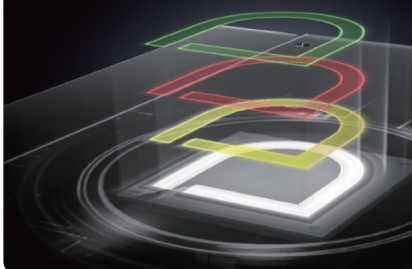


55°C

Heat resistant up to

LED+APP+Web

Smart Monitoring & Management
AI-Powered Assistant



SPECIFICATION

Model	STACK LV
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	5.12kWh
Usable Battery Energy	4.864kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C (50A)
Max. Charge C Rate	0.75C (75A)
Max. Discharge C Rate	1C (100A)
Peak Discharge Current (25°C)	110A, 15s
Recommended Charge & Discharge Power	2.56kW
Max. Charge Power	3.84kW
Max. Discharge Power	5.12kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0~55°C/-20~55°C (optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	47.5kg
Dimension[W/D/H]	630/390/133.5mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life ^[1]	≥8000 Cycles
User Interface	WIFI+APP
Safety Protection	Built-in aerosol fire extinguisher
Installation ^[2]	Stack-mounted, Floor-mounted
Expansion	Up to 50 units in parallel
Warranty Period ^[3]	10 Years
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible Inverters	SMA/Ingeteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/Deye/Sungrow/Sol-Ark etc.

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

[2] Stack-mounted installation, supporting a maximum of 12 modules.

[3] Refer to Dyness Warranty Letter

[4] The height of the base and top cover is 30mm

