DYNESS

STACK314

NEW

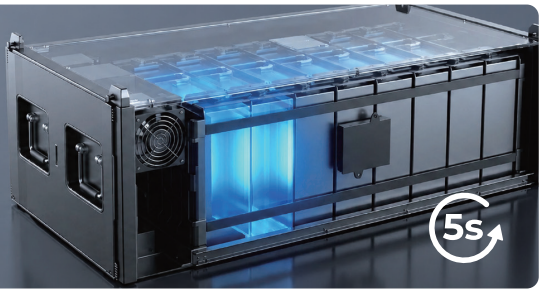
16.08 kWh / Module, 241.14 kWh / System
Parallel up to 2.89 MWh

Compact Design, Flexible Deployment



Ultra Safe

Built-in aerosol
fire extinguisher
to eliminate fire risks



Max. continuous
charge/discharge current

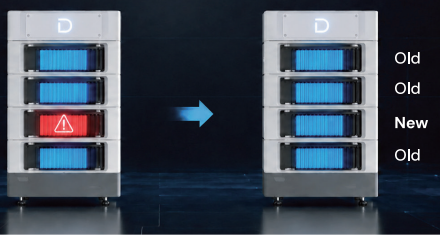
200A

Wiring-free stack-up,
plug-and-play



Battery Equalization

Free mixing of modules **within 3 years**



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Information might be subject to change without notice during product improving.

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SPECIFICATION

Model	STACK314
Battery Type	$LiFePO_4$ (LFP)
Nominal Battery Energy	16.08 kWh
Usable Battery Energy	15.28 kWh
Nominal Capacity	314 Ah
Nominal Voltage	51.2 V
Module Number per Cluster	3~15 Pcs
Operating Voltage	134.4 V~864 V
System Energy Range	48.228 kWh~241.14 kWh
Recommended Charge & Discharge C Rate	0.45C (140 A)
Max. Charge & Discharge C Rate	0.64C (200 A)
Peak Discharge Current (25°C)	280 A, 2min
Recommended Charge & Discharge Power	7.168 kW
Max. Charge & Discharge Power	10.24 kW
Depth of Discharge (DOD)	95%
Charging Temp. Range	0°C~55°C
Discharging Temp. Range	-20°C~55°C
Net Weight (kg)[1]	38+115*n
Single Cluster Dimension (W/D/H)[2]	770/425/293+230*n
Protection Level	IP20
Communication	CAN/RS485
Cycle Life[3]	≥8000 Cycles
User Interface	WIFI+APP
afety Protection	Built-in aerosol fire extinguisher
Cooling Method	Forced wind cooling
Installation	Cable-free stacking
Expansion	Up to 12 clusters in parallel
Warranty Period[4]	10 Years
Battery Module Name	S51314
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619
Compatible Inverters	ATESS/Deye/Growatt/Megarevo/Solinteg/Solis/Sosen/Sinexcel etc.

Module	SBDU200
Operating Voltage	134.4V~864 V
Maximum Continuous Current	200 A
Dimension (W/D/H)	770/425/160 mm
Weight	19.2 kg
Protection Level	IP20

[1] Net Weight of Expansion Base and Expansion Upper Cover: 18.5kg.

[2] Height of Expansion Upper Cover: 80mm,,"n" stands for the number of battery modules, up to a maximum of 8. If the installation is on an upper floor, you will need to evaluate the floor weighing before determining the number of stacks.

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

[4] Refer to Dyness Warranty Letter