

1P52S LFP Pack Energy Storage System



OPTIMIZED THERMAL PERFORMANCE

Engineered for efficient cooling, long-term reliability, and scalable energy storage deployment.

INTEGRATED BMS ARCHITECTURE

Integrated with Nuvation Energy's UL 1973-recognized BMS, supporting up to 8 battery packs.

NORTH AMERICAN CONTROL STACK

Featuring battery management technology designed and manufactured in the US and Canada.



**FUNCTIONAL
SAFETY**





1P52S LFP Pack

Product Specifications

Systems Data

Battery Pack (Ah)	314
Chemistry	LFP
Cell Format	Prismatic
Configuration	1P52S
Battery Energy (kWh)	52.25
Standard Charge/Discharge Power	0.5C/0.5C
Nominal Voltage (V)	166.4
Max. Voltage (V)	189.8
Min. Voltage (V)	130
Max. Current (A)	205
Max. Power (kW)	26.12
Recommended Operating Temp (°C)	+15 to +35
Recommended Storage Temp (°C)	0 to +35
Operating Temp (°C)	-20 to +60
Storage Temp (°C)	-40 to +60
Dimensions/mm (L*W*H)	1130*785*250 (3.6 ft x 2.6 ft x 0.8 ft)
Weight	761lb/342kg
Protection Level	IP67
Level 1 BMS	Nuvation G5 Cell Interface
Thermal Management	Liquid-cooling
Pack Interface Connectors	North American suppliers
Certifications	UL9540A/UN38.3/UL1973