NEOVOLTA

16kWh Battery

NVPLUS-16



Cold Weather Capable

Integrated Wire Junction Box

Tool-less quick-connect battery terminals

Direct Stacking with NV16KAC Hybrid Inverter

8000+ cycles

For support scan here

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NVPLUS-16

Battery Energy Storage

Model Name	NVPlus-16-H
Battery Chemistry	LiFePO4
Cell Capacity (Ah)	314
Nominal Energy (kWh)	16
Output Power (kW)	9.73
Nominal Voltage (V)	51.2
Voltage Range (V)	43.2 ~ 59.2
Discharge Cut-off (V)	43.2
Recommended Charging Voltage (V)	56.8
Max Continuous Discharge Rate (kW)	9.73
Max. Charging Voltage (V)	58.4
Max Charging / Discharging Current (A)	190
Max. Operation Current (A)	200
Primary Overcurrent Protection (A)	210 @ 5S
Secondary Overcurrent Protection (A)	240 @ 3S
Dimensions - W*D*H (in / mm)	22 × 8.3 × 48.3 / 560 × 210 × 1225（±2） (Leveling feet not included)
Weight (lbs / kg)	337.31 / 153

Main Parameters

Storage Conditions (°F / °C)	-4 °F to 131 °F / (-20 °C to 55 °C) Recommended 32 °F to 95 °F / (0 °C to 35 °C) Up to 90% RH, non-condensing Initial SoC: 50%
Operating Temperature (°F / °C)	Charge: 32 °F to 122°F / (0°C to 50°C) Discharge: -4 °F to 122 °F/ (-20 °C to 50 °C)
Cooling	Natural Cooling
Heating Power (W)	300
Heating Start Temperature (°F / °C)	41 °F / 5 °C
Safety Functions	Over-charge, Over-discharge, Over-current, Low / High temperature, Short-circuit Protections
Max. Altitude	4000 m / 13123 ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, RS232

General Information

Battery Compliances	UN38.3, UL9540 3rd Edition, UL9540A, UL1973
Installation Method	Wall-Mounting or Floor-Mounting
Installation Scene	Indoor or Outdoor
IP Rating / NEMA	IP65 / Type 3R
Warranty	15 Years

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