NEOVOLTA

All-In-One Modular BESS

NV Wave

Patented Modular Click-in Design



FEOC COMPLIANT
DOMESTIC CONTENT ELIGIBLE

Click-in 2.4 - 9.6 kW Inverter

3.45 kWh - 55.2 kWh Capacity

LiFePO4 Batteries

Active Cell Level Management

Load Shed Management

C ETL LISTED US
Intertek

For support scan here

800.364.5464
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NV Wave

Performance

Nominal AC Voltage	120 / 240 Vac Split Phase
Frequency	60 Hz
Inverter Capacity	2.4; 4.8; 7.2; 9.6 kW
Rated Power / Peak Power Rating	2.4 to 9.6 kW (continuous) / 4.8 to 19.2 kW (5 seconds)
Pass Through Rating (A)	200
Max Contestant AC Output Current	40 A
Manual Bypass (optional)	Yes
PORTABLE GENSET (optional)	≤7600 watts
Grid Main Breaker (optional)	200A
Maximum AC Coupled Solar	19.2 kW
Energy Capacity	First Enclosure: 3.45 - 13.8 kWh + Second Enclosure: 17.25 - 34.5 kWh + Third Enclosure: 37.95 - 55.2 kWh
Battery Chemistry	LFP (LiFePO4)
Cell Capacity (Ah)	72Ah
Nominal DC Voltage | DC Voltage Range	48 V | 40-54 VDC
Maximum Continuous Discharge Rate	3.45 kW
Integrated Load Management	120 / 240 V Loads
Warranty	15 Years (10,000 Cycles @ 100% DoD)
Round Trip Efficiency	97.5%

Environmental

Maximum Temperature Range (°F / °C)	Discharging: -4°F to 131°F / -20°C to 55°C Charging: -4°F to 131°F / -20°C to 55°C
Installation Type | NEMA	Indoor and Outdoor | NEMA 3R
Max Altitude	≤ 4,000m (10% derating when above 4000m/13,123ft)
Noise Level	< 45 dB

Connectivity

WIFI	Yes
Interface	CAN, RS485 Modbus
Monitoring	iOS, Android
Programmable Controls	Yes

Mechanical

Dimensions: Enclosure W*D*H (in / mm)	28.15" W x 11.89" D x 44.87" H/ 715 mm W x 302 mm D x 1140 mm H
Dimensions: Battery Module W*D*H (in / mm)	19" W x 9" D x 6.5" H/ 483 mm W x 226 mm D x 164 mm H
Dimensions: Inverter W*D*H (in / mm)	3.9" W x 9.25" D x 10.25 H / 97.8 mm W x 234.95 mm D x 258 mm H
Cooling Method	Fan Cooling
Weight: Battery Module (lbs / kg)	55 lbs / 25 kg
Weight: Inverter Module (lbs / kg)	11.9 lbs / 5.4 kg

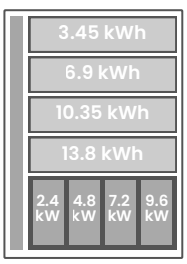
Compliance

Safety	UL 9540, UL 9540A, UL 1741SB, UL 1973, UN 38.3, UL 1741, IEEE 1547, CA RULE 21, HECO
Emissions	FCC Part 15 Class B, ICES-003 Class B

Customizable Configuration

FIRST ENCLOSURE

3.45 - 13.8 kWh



FIRST ENCLOSURE + SECOND ENCLOSURE

17.25 - 34.5 kWh



FIRST ENCLOSURE + SECOND ENCLOSURE + THIRD ENCLOSURE

37.95 - 55.2 kWh



KEY

SMART SYSTEM CONTROL

CUTOMIZE & UPGRADE

BATTERY

3.45 - 55.2 kWh

INVERTER

2.4 - 9.6 kW

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