

NEOVOLTA™

All-In-One ESS

NV Wave

Energy Storage Reimagined



Patented Modular Design

Click-in 2.4 - 9.6 kW Inverter

3.45 kWh - 55.2 kWh Capacity

LiFePO4 Lithium Iron Batteries

Black Start Capable

BMS with Cell Level Balancing

Grid and Backup Mode

Load Shed Management



800.364.5464

NEOVOLTA.COM



Performance

Nominal AC Voltage	120 / 240 Vac Split Phase
Frequency	60 Hz
Inverter Capacity	2.4; 4.8; 7.2; 9.6 kW
Peak Power Rating	2.4 to 9.6 kW (continuous), 4.8 to 19.2 kW (10 sec surge)
Pass Through Rating (A)	200
Manual Bypass (optional)	Yes
PORTABLE GENSET (optional)	≤7600 watts
Capacity	Single Enclosure: 3.45 - 13.8 kWh + 1 Extension Unit: 17.25 - 34.5 kWh + 2 Extension Units: 37.95 - 55.2 kWh
Battery Chemistry	LFP (LiFePO4)
Performance Warranty	15 Years (10,000cycles @100%DoD)
Round Trip Efficiency	97.5%

Environmental

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

Connectivity

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

Mechanical

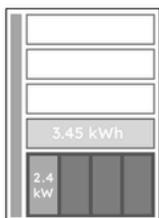
Dimensions: Enclosure	44.87" H x 28.15" W x 11.89" D / 1140 mm H x 715 mm W x 302 mm D
Dimensions: Battery Module	7" H x 19" W x 9" D / 177.8 mm H x 482.6 mm W x 228.6 mm D
Dimensions: Inverter	10.25" H x 4" W x 9.25" D / 260.35 mm H x 101.6 mm W x 234.95 mm D
Cooling Method	Fan Cooling
Weight: Battery Module	25kg
Weight: Inverter Module	7.5kg

Compliance

Safety (Pending UL Certification)	UL 9540, UL 9540A, UL 1642, UL 1741SB, UL 1973, UN 38.3, UL 1741, UL 1741SA, IEEE 1547, CA RULE 21, HECO
Emissions	FCC Part 15 Class B ICES-003 Class B

Customizable Configuration

SINGLE CABINET



3.45 - 13.8 kWh

CABINET +1 EXTENSION UNIT



17.25 - 34.5 kWh

CABINET +2 EXTENSION UNITS



37.95 - 55.2 kWh

KEY

SMART SYSTEM CONTROL

CUSTOMIZE & UPGRADE

BATTERY

3.45 - 55.2 kWh

INVERTER

2.4 - 9.6 kW