

NEOVOLTA™

**All-In-One**

**Modular ESS**

NV Wave

Patented Modular Click-in Design



**Click-in 2.4 - 9.6 kW Inverter**

**3.45 kWh - 55.2 kWh Capacity**

**LiFePO4 Batteries**

**Black Start Capable**

**Active Cell Level Management**

**Load Shed Management**



For support scan here



800.364.5464  
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## 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 (5 sec surge)
Pass Through Rating (A)	200
Manual Bypass (optional)	Yes
PORTABLE GENSET (optional)	≤7600 watts
Grid Main Breaker (optional)	200A
Maximum AC Coupled Solar Capacity	19.2 kW
Battery Chemistry	LFP (LiFePO4)
Cell Capacity (Ah)	72Ah
Maximum Continuous Discharge Rate	3.45 kW
Integrated Load Management	120 / 240 V Loads
Warranty	15 Years (10,000cycles @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, R5485 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 (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

FIRST ENCLOSURE	FIRST ENCLOSURE + SECOND ENCLOSURE	FIRST ENCLOSURE + SECOND ENCLOSURE + THIRD ENCLOSURE	KEY
3.45 - 13.8 kWh	17.25 - 34.5 kWh	37.95 - 55.2 kWh	SMART SYSTEM CONTROL
			CUSTOMIZE & UPGRADE
			BATTERY
			3.45 - 55.2 kWh
			INVERTER
			2.4 - 9.6 kW