

NEOVOLTA™

**USA Domestic
Content Eligible*
For North America**



Inverter & Storage System

NV14

**All-In-One Unit
On Grid & Off Grid
DC & AC Solar Capable
Generator Ready**

Engineered and Assembled in
California since 2018

800.364.5464
NEOVOLTA.COM

PV String Input Data

Max. PV Input Power* (W)	11,400**
Max. PV Input Voltage (Voc)	500
Startup Voltage (Vmp)	125
MPPT Voltage Range (Vmp)	150–425
Rated PV Input Voltage	370
Max. Operation PV Input Current (A) @ MPPT	26 +26
Max. Input Short-Circuit Current (A) @ MPPT	44+44
MPPT Strings per MPPT	2 2+2 (each string protected by SPF 15A Fuse)

*Max. PV Input Voltage of 500Voc shall be calculated at coldest operating temperature of installation locations.
** Inverter will self-limit to 11,400W of max combined solar input.

AC Input/Output Data

Rated AC Input/Output (W)	7,600
Max. AC Input/Output (VA)	8,360
Rated AC Input/Output (A)	31.7
Max. AC Input/Output (A)	34.8
Max. Continuous AC Passthrough (grid to load) (A)	50
Peak Power (off-grid) (W)	2 times rated power (15,200W); 10s
Power Factor Adjustment Range	0.9 – 1.0
Rated Input/Output Voltage Voltage Range (V)	120/240
Rated Input/Output Frequency Frequency Range (Hz)	60 55–65
Grid Connection Form	2L + N + PE
Total Current Harmonic Distortion (THDi)	<3% (of nominal power)
Max AC Solar/ Generator Input (W)	8360

Battery Input Data (DC)

Battery Type (Compatible)	Lithium Iron Phosphate (LiFePO4)
Battery Voltage Range (V)	44–54
Max. Charging Current (A)	100
Max. Discharging Current (A)	150
Charging Strategy for Li-ion Battery	Self-Adoption BMS
Number of Battery Input	1 (2 wires; positive and negative)

Equipment

Integrated	Protection: DC Polarity Reverse Connection, AC Output Overcurrent, Thermal, AC Output Overvoltage, AC Output Short Circuit, Overvoltage Load Drop, Surge Monitoring: DC Component, Ground Fault Current, Power Network, Island Protection, Earth Fault Detection, DC Input Switch, DC Terminal Insulation Impedance, Residual Current (RCD) Detection, Arc Fault Circuit Interrupter (optional)
Surge Protection	Type II (DC), TYPE II (AC)
Communication Interface	RS485 RS232 CAN
Monitor Mode	GRPS WiFi Bluetooth 4G LAN (optional)

General Data

Operating Temperature	–40F – 140F
Humidity Limit (%)	up to 100
Max. Elevation	2000m/6561ft (10% derating at 3000m/9842ft)
Noise (dB)	<30
IP Rating	TYPE 3R
Typology	Non-Isolated
Overvoltage Category	OVC II (DC), OVC III (AC)
Dimensions (W x H x D) Weight (lbs)	16.5" x 26.4 x 9.2" 66
Cooling	Intelligent Air Cooling
Max. Efficiency (%)	97.6
MPPT Efficiency (%)	>99.0
Warranty	15 years
Grid Regulation Certifications	IEEE1547.1 SRD V2.0 UL1741 CRD UL1741 SB UL1699B CEC
Load Start Capability*	80A

*Load start capability may vary
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