NEOVOLTA

NV14 SPECIFICATIONS

The NeoVolta NV14 is a complete, fully integrated patented Hybrid Inverter Energy Storage System (ESS). The NV14 allows consumers to power their homes on grid or off grid using either their solar or their stored energy in the battery system.

SYSTEM SPECIFICATIONS

Model Number	NV14
Nominal Grid Voltage	120/240 | 208 Vac
Grid Type	Split Phase
Grid Frequency	60 Hz
Nominal Battery Energy	14.4kWh AC Lithium Iron Phosphate
Nominal Output Power (AC)	7.68kW
Maximum Continuous Current	32A
Maximum AC Power Output	8.45kW (10 seconds)
Overcurrent Protection Device	40A
Maximum Continuous Charge	5kW
Maxiumum Continuous	7.68kW
MPPT Efficiency	99.90%
Weighted Efficiency	96.50%
Supported Island Devices	Integrated
Connectivity	Wi-Fi (2.4/5.0 GHz) | Ethernet
Protections	PV Arc Fault Detection, PV Input Lightning Protection, Anti-Islanding Protection, PV Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring, Output Over Current Protection, Output Shorted Protection,
Type of Cooling	Intelligent Air Cooling
Customer Interface	Solarman APP
Warranty	10 Years/6,000 cycles
Inverter	Hybrid

SOLAR SPECIFICATIONS

Maximum Solar STC Input	16 kW DC* | 9.2 kW AC
Maximum DC Input Voltage	500V DC
PV DC Minimum Start-up	125
PV DC MPPT Voltage Range	125 - 460V DC
Maximum Current per MPPT	26A
MPPTs	2
Number of Inputs per MPPT	2
Generator Ready	Up to 7.5kW when there is not AC coupled solar

**Size is dependent on module and location. Follow the QR code on reverse side to design maximum string sizing.*

ENVIRONMENTAL SPECIFICATIONS

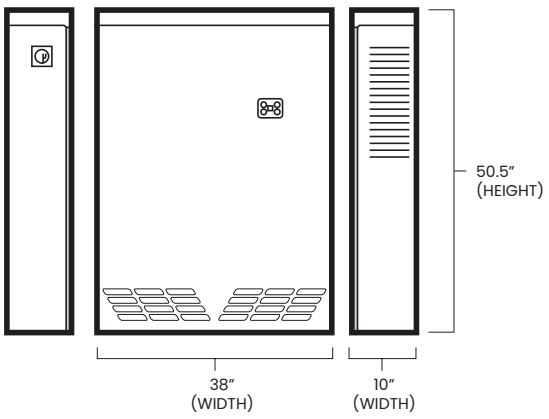
Operating Temperature	0°C to 55°C | 32°F to 131°F
Operating Humidity	Up to 100.0%
Maximum Outdoor Elevation	2,500m Above 2,500m, NV14 must be installed indoors
Enclosure Rating	NEMA 3R
Operating Noise	<54db

COMPLIANCE INFORMATION

Certifications	UL9540, UL9540A, UL1741, UL1741 SB, UL1973, UL 1699B, IEEE 1547, | IEEE 1547A, IEEE 1547.1, CSA C22.2 No. 107.1, CA Rule No. 21, CEC
Emissions	FCC Part 15 Class B

MECHANICAL SPECIFICATIONS

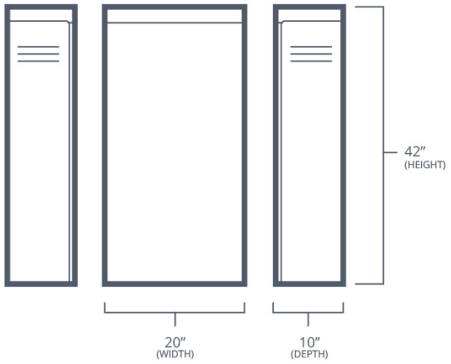
Dimensions H x W x D (mm | in.)	1,287.7 x 965.2 x 254 | 50.5 x 38 x 10
Total Weight of Installed Unit (kg | lbs)	254 | 560
Mounting Options	Floor mount
Included Equipment	NEMA3R 40amp sub-panel, Rope CT's, Data Logger Wi-Fi Antenna, Communications Cable, Mounting Brackets, Lag Bolts, and Installation Guide



NEOVOLTA

NV24 SPECIFICATIONS

The NeoVolta NV24 is a stand-alone expansion pack to the NV14, adding an additional 9.6kWh for a total of 24kWh on a single inverter. Like the NV14, it is NEMA 3R rated and ground mounted.



EXPANSION PACK SYSTEM SPECIFICATIONS

Dimensions H x W x D (mm | in.)	1,066.8 x 508 x 254 | 42 x 20 x 10
Total Weight of Installed Unit (kg | lbs)	122.5 | 270
Nominal Battery Energy	9.6kWh AC

Additional Certifications:

UL 1642 and 16998 | IEEE 1547:2018 (Revision 1547:2002), 1547a2020, 1547.1-2020 (SRD V2.0) (Third Edition) | Grid Regulation: VDE 0126, AS4777, NRS2017, G98, G99, IEC 62897, IEC 1683, IEC 62116, IEC 61727, IEC 1000-6-1, IEC 62109-1, IEC 62109-2 | EMC: EN61000-6-1, EN 61000-6-3, FCC 15 Class B | Electrical Codes: NFPA 70 National Fire Codes (NEC) 2023 | CPUC Rule 21 Interconnection | Hawaii Electric Companies SRD-UL-1741-SA-V1.1 | CSA Group C22.2 No. 107.1:2001 Ed. 3, C22.2 No. 107.1-16 | Telergon AC/DC Disconnect ZFV55 VZVH4 A8 | NEMA Type 3R | CEC: Grid Support Utility, Utility Interactive, Energy Storage System | California installs: Residential: Intended "for use in residential dwelling units."

Scan QR Code for
NV14 Maximum Solar STC Input
Design maximum string sizing