NEOVOLTA

Hybrid Inverter

NV7600

Designed and Engineered
in California since 2018



Compact Design

On Grid and Off Grid

DC and AC Solar

Generator Ready

Stackable

For support scan here

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 Max. Operation	370
PV Input Current (A) @ MPPT	26 + 26
Max. Input Short-Circuit Current (A) @ MPPT	44 + 44
MPPT | Strings per MPPT	2 | 2 + 2

***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 Output (W/VA)	7,600/8360
Max. AC Solar or Generator Input	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 Rated Input/Output	0.9 - 1.0
Voltage | Voltage Range (V)	120/240; 208/3-Phase
Rated Input/Output Frequency | Frequency Range (Hz)	60 | 55-65
Grid Connection Form Total Current Harmonic	2L + N + PE
Distortion (THDi)	<3% (of nominal power)
Max. Parallel for on-grid and off-grid*	4(pcs) 120/240Vac | 3(pcs) 120/208Vac

***This is for inverter paralleling ONLY. NV7600 w/ NVPLUS is UL9540 listed for (4) inverters w/ (5) batteries**

Battery Input Data (DC)

Battery Type (Compatible)	Lithium Iron Phosphate (LiFePO4)
Battery Voltage Range (V) Max.	40-60
Charging Current (A) Max.	190
Discharging Current (A) Charging	190
Strategy for Li-ion Battery	Self-Adoption BMS 1
Number of Battery Inputs	(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 (°F / °C)	-40°F to 140°F / -40°C to 60°C
Humidity Limit (%)	0-100%
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 Grid Regulation |	15 years
Certifications	IEEE1547.1 SRD V2.0| HECO | UL1741 CRD | UL1741 SB | UL1699B | CEC | SGIP | LUMA
Load Start Capability*	80A

***Load start capability may vary**

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