

Off Grid Energy Package

# THE FUTURE OF SMART ENERGY



PRESENTED BY: **PMO** ENERGY

Off Grid Energy Package

# BENEFITS FOR THE BUILDER

## OFFER A CUTTING-EDGE ENERGY PRODUCT THAT PROVIDES:

- Significant additional **revenue** to the sale of the home
- Unique **differentiator** options from a competitive home
- 22% **Federal Tax Credit** on the total cost of the option
- Marketing opportunities to promote **Green** Initiatives.
- **Cash Rebate** to the customer for adding the option

YOU ARE CAPTUREING A NEW MARKET WITH THIS OPTION



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## BENEFITS FOR THE CUSTOMER



- The ability to **add solar + energy storage to their home** at the lowest cost due to the nature of the finance structure built into the mortgage.
- The ability to **keep their 22% tax credits** as opposed to having to pay it back into a traditional solar finance arrangement. (Typically \$7,500-\$15,000 + in year 1 of home ownership)
- Significantly **reduce or eliminate utility costs**, saving thousands per year.
- The ability to **keep the home powered** in the event of an emergency power outage.
- Potential rebates for adding a Home Energy Storage System. (please research your area to see what is offered)
- Move into a **Green Home** that is using stored renewable energy even when the sun goes down.
- Increase home **value** and resale value.
- Energy costs become a consolidated **tax write off** by incorporating the costs into the mortgage payment.



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## COST BREAKDOWN

### BUILDER

Solar Price Per Watt = \$\_\_

Neo Volta NV14 + Installation = \$\_\_

Total Cost = \$\_\_

10kW Solar System = \$\_\_

NeoVolta NV14 = \$\_\_

TOTAL NET COST = \$\_\_

### CUSTOMER

Solar Price Per Watt = \$\_\_

Neo Volta NV14 = \$\_\_

Total Cost = \$\_\_

10kW Solar System = \$\_\_

NeoVolta NV14 = \$\_\_

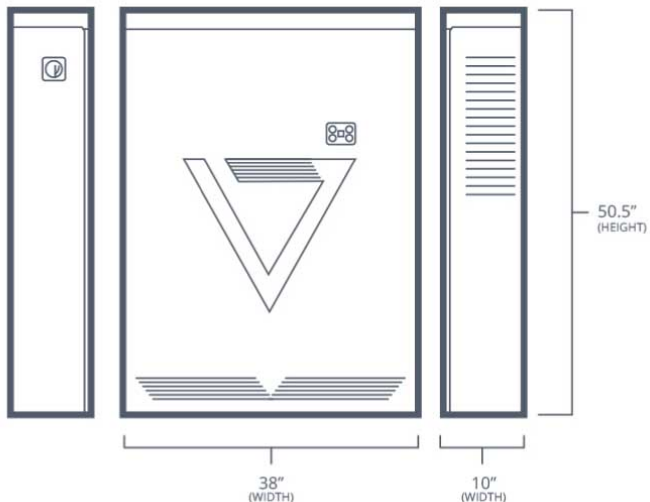
TOTAL NET COST = \$\_\_



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## EQUIPMENT SPECS

NV14



The **NeoVolta NV14** is a complete, fully integrated Alternating Current (AC) or Direct Current (DC) Hybrid (120V / 240V) Residential Energy Storage System (ESS). It includes a Lithium Iron Phosphate (LiFePO4) rechargeable battery system for photovoltaic energy conversion and storage, which allows consumers to use their own solar generation after the sun has set. The NV14 also allows consumers to power their homes in grid outages using either their solar or their energy in the battery system.

## INVERTER SPECS

BAT Voltage	48 V DC (42 V - 58 V)
BAT Current	175 A DC
AC Voltage	120 V / 240 V AC (Split Phase)
AC Frequency	60 Hz (59.5 Hz - 60.5 Hz)
AC Input Current	32 A AC
AC Input Power	7,680 W
PV Input Voltage	370 V DC (100 V - 500 V DC)
MPPT Input Range	150 V DC - 425 V DC
PV Input Current	18 A DC (x2)
PV Input Power	7,680 W (8448 W max)

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## EQUIPMENT SPECS

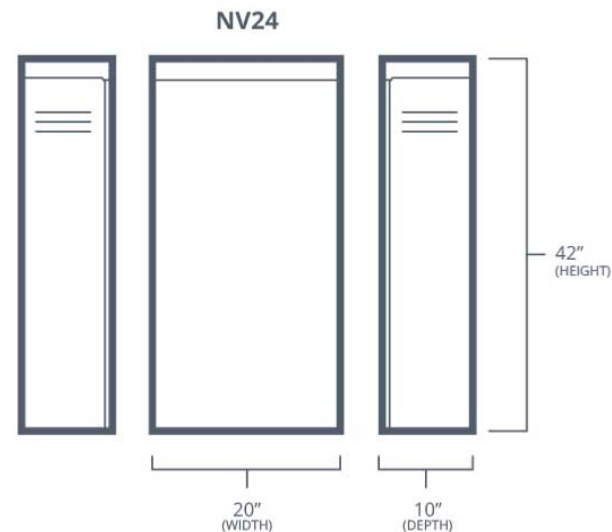
### BATTERY SPECS

Nominal Voltage	48 V
Typical Capacity	100 Ah (25c)
Typical Energy	14,400 Wh
Volumetric Density	122.3 Wh/dm
Gravimetric Density	102.1 Wh/kg

Voltage Window	42.0 V - 54.0 V
Max Permanent Discharge Current	120 A
Max Permanent Charge Current	100 A
Energy Charge Efficiency	94% (20c)

Charge Temperature	0cC to 55cC
Discharge Temperature	-20cC to 60cC
Storage Temperature	-20cC to 60cC

The **NeoVolta NV24** is an additional battery capacity option. When combined with the NV14, total energy storage capacity is increased from 14.4 kWh to 24.0 kWh of Lithium Iron Phosphate (LiFePO4) rechargeable battery.







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# NEOVOLTA



## FUNCTIONAL

NeoVolta designs, develops and manufactures residential energy storage batteries that will slash your utility bill and power your home even when the grid goes down.

## EFFICIENT

By storing energy instead of sending it back to the grid, consumers can protect themselves against blackouts, avoid expensive peak demand electricity rates charged by utilities when solar panels aren't producing, and get one step closer to grid independence.

## SAFE

Created with a focus on safety, the NV14 is equipped with a 14.4 kWh rechargeable Lithium Iron Phosphate battery, a 7,680-Watt inverter and a web-based management system with 24/7 monitoring.