

For illustrative purposes only



**FORTRESS
POWER**
Secure your energy

eBoost

SCALABLE ENERGY STORAGE SYSTEM







OVERVIEW

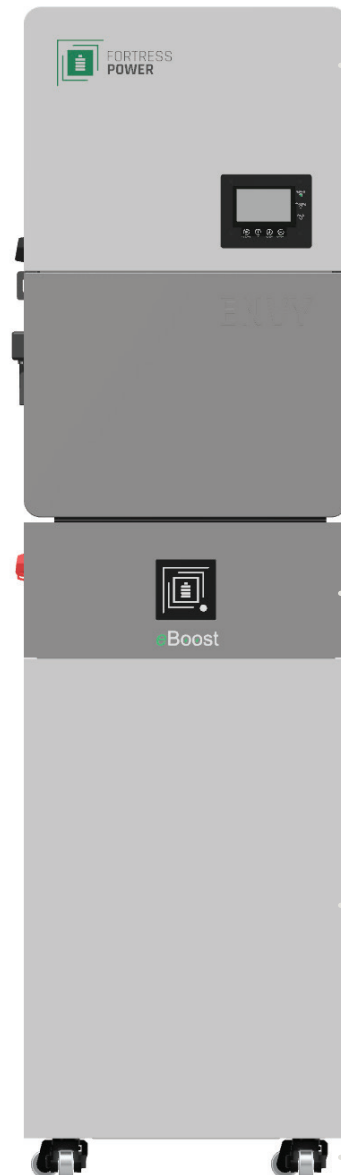
Boost Performance. Boost Reliability.

The Fortress Power eBoost is a high-capacity, modular energy storage solution built for residential and light commercial applications. With 16kWh of usable energy per unit and the ability to scale up to 512kWh, eBoost is engineered to handle high load demands while offering the flexibility of stackable, parallel installations. Built-in heating elements, an IP65 weatherproof enclosure, and integration with the eWay wireway system allow for clean, all-weather installs. When paired with the Envy Duo 21 or any Envy-series inverter, the eBoost forms a fully integrated, whole-home energy storage system—ideal for backup power, energy independence, and more.

FEATURES

Scalable Power. Instant Impact.

-  Delivers 16kWh of energy storage per unit—ideal for homes or businesses with higher load profiles or limited install space.
-  Easily scale your system by connecting up to 16 units in parallel, giving you the flexibility to grow as your energy needs evolve.
-  IP65-rated and equipped with internal heating elements for reliable performance in extreme conditions.
-  Modular, scalable design with fast-connect hardware reduces install time and labor while maintaining a clean, professional appearance.
-  Pairs with all Fortress Power Envy inverters, including the Envy Duo 21, for seamless whole-home backup and energy management.
-  Built-in busbars, conduit ports, LED indicators, and an emergency shutoff make for clean, code-compliant installations with fewer external components.



ENVY DUO 21
HYBRID INVERTER OR
8/10/12KW MODELS

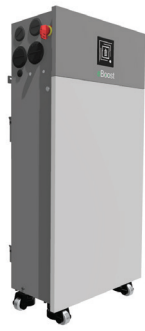
EWAY FOR AC & DC
WIRES (BUILT-IN 750A
BUSBAR)

EBOOST 16KW
BATTERY MODULE

LOCKING WHEELS
FOR EASY MOBILITY

TECHNICAL DATA

Precision-Engineered Specifications for Optimal Performance



16 kWh

32 kWh

GENERAL DATA

| | | |
|------------------------------|---|------------------|
| Weight | 353 lbs (160 kg) | 706 lbs (320 kg) |
| Operating Temperature | -4 °F - 140 °F (-20 °C - 60 °C)* | |
| Ingress Protect | Degree IP65 | |
| Communication | PCS CAN/RS485; Parallel:CAN | |
| Dimensions (W*D*H) | eWay : 20.47x10.18x8.32 in (520x258.6x211.3 mm) Battery: 20.47x10.18x33.1 in (520x258.6x840.7 mm) | |
| Warranty | 10 years (up to 15 years with Fortress Power inverter and platform) | |
| Mounting Options | Ground-Mount, Floor Standing, Wall-Hanged (Separate Accessory) | |

BATTERY SPECIFICATIONS

| | | |
|-------------------------------------|------------------------------|-------------|
| Maximum Units In Parallel | 16 | |
| Cell Type | Tier-1 Prismatic 16 Cell LFP | |
| Nominal Capacity | 314Ah | 2 x 314Ah |
| Nominal Energy | 16.076KWh** | 32.152KWh** |
| Nominal Voltage | 51.2V | |
| Re-charge Voltage | 49V | |
| Cut-off Voltage | 41.6V | |
| Maximum Short-Circuit (A) | Under Testing | |
| Operating Voltage Range | 41.6-57.6V | |
| Closed-Loop Charge/Discharge | 180/250 A | 360/500 A |
| Bulk/Absorption Charge | 55.2V | |
| Max Charge/Discharge | 314A/10s | 628A/10s |
| Surge Discharge Power W | 18kW/10s | 36kW/10s |
| Cycle Life @ EOL 70% | 8000 Cycles | |

* Performance will degrade at operating temperatures above 104 °F (40 °C)

** Values are based on measurements taken at 77 °F (25 °C) at beginning of life.

STANDARDS & CERTIFICATIONS

| | |
|-------------------------|--|
| Safety Standards | UL1973, ANSI/CAN/UL9540:2023, UL9640A (expected Q3 2025) |
| Listings | CEC, LUMA, oGPE |
| Transportation | UN38.3 |



Intertek

