

SCALABLE ENERGY STORAGE SYSTEM

OVERVIEW

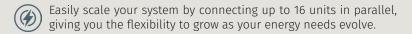
Boost Performance. Boost Reliability.

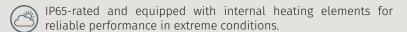
The Fortress Power eBoost is a high-capacity, modular energy storage solution built for residential and light commercial applications. With 16kWh of usable energy per unit and the ability to scale up to 512kWh, eBoost is engineered to handle high load demands while offering the flexibility of stackable, 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.

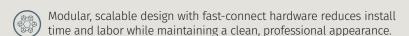
FEATURES

Scalable Power. Instant Impact.









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.



TECHNICAL DATA

Precision-Engineered Specifications for Optimal Performance





16 kWh 32 kWh

GENERAL DATA

Weight353 lbs (160 kg)706 lbs (320 kg)Operating Temperature-4 ºF - 140 ºF (-20 ºC - 60 ºC)*Ingress ProtectDegree IP65CommunicationPCS CAN/RS485; Parallel:CANDimensions (W*D*H)eWay : 22.84x10.18x9.39 in (580x258.6x238.5 mm) | Battery: 22.28x10.18x33.71 in (566x258.6x856 mm)Warranty10 years (up to 15 years with Fortress Power inverter and platform)Mounting OptionsGround-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	16.1kWh**	32.2kWh**
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 ºF (40 ºC)

STANDARDS & CERTIFICATIONS

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

















^{**} Values are based on measurements taken at 77 ºF (25 ºC) at beginning of life.