

**FEOC  
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# 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 256kWh, 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.



# TECHNICAL DATA

## Precision-Engineered Specifications for Optimal Performance



eBoost 16



eBoost 32



eBoost 48

### GENERAL DATA

<b>Model Number</b>	eBoost DC Energy Storage System 16 P1	eBoost DC Energy Storage System 32 P2	eBoost DC Energy Storage System 48 P3
<b>Weight</b>	304.2 lbs (138 kg)	608.4 lbs (276 kg)	912.6 lbs (414 kg)
<b>Operating Temperature</b>	-4 °F - 140 °F (-20 °C - 60 °C)*		
<b>Ingress Protect</b>	Degree IP65		
<b>Communication</b>	PCS CAN/RS485; Parallel:CAN		
<b>Dimensions (W*D*H)</b>	eWay : 22.84 x 9.52 x 10.18 in (580 x 241.9 x 258.5 mm)   Battery: 22.28 x 11.27 x 37.81 in (566 x 286 x 960.2 mm)		
<b>Warranty</b>	10 years		
<b>Mounting Options</b>	Floor Standing, Wall-Hanged		

### BATTERY SPECIFICATIONS

<b>Maximum Units in Parallel</b>	16	8	5
<b>Cell Type</b>	Tier-1 Prismatic 16 Cell LFP		
<b>Nominal Capacity</b>	314Ah	628Ah	942Ah
<b>Nominal Energy</b>	16.077 kWh**	32.154 kWh**	48.231 kWh**
<b>Nominal Voltage</b>	51.2V		
<b>Re-charge Voltage</b>	49V		
<b>Cut-off Voltage</b>	41.6V		
<b>Maximum Short-Circuit (A)</b>	2000A, 17ms		
<b>Operating Voltage Range</b>	41.6-57.6V		
<b>Closed-Loop Charge/Discharge</b>	180/250 A	360/500 A	540/750 A
<b>Bulk/Absorption Charge</b>	55.2V		
<b>Max Charge/Discharge</b>	314A/10s	628A/10s	942A/10s
<b>Surge Discharge Power W</b>	16kW/10s	32kW/10s	48kW/10s
<b>Cycle Life @ EOL 70%</b>	8000 Cycles		
<b>Altitude (m)</b>	<6561ft. (<2000m)		

\* 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

<b>Safety Standards</b>	UL1973, ANSI/CAN/UL9540:2023, UL9540A
<b>Listings</b>	CEC, LUMA, oGPE
<b>Transportation</b>	UN38.3

