

SCALABLE ENERGY STORAGE SYSTEM

# **OVERVIEW**

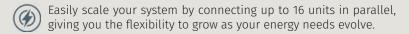
## **Boost Performance. Boost Reliability.**

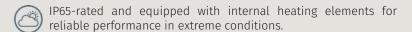
The Fortress Power eBoost is a high-capacity, modular energy storage solution built for residential and light commercial applications. With 16kWh of usable energy per unit and the ability to scale up to 256kWh, eBoost is engineered to handle high load demands while offering the flexibility of stackable, 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.**







- 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** 





16 kWh 32 kWh

#### **GENERAL DATA**

Weight 308.6 lbs (140 kg) 617.2 lbs (280 kg) -4 ºF - 140 ºF (-20 ºC - 60 ºC)\* **Operating Temperature Ingress Protect** Degree IP65 Communication PCS CAN/RS485; Parallel:CAN Dimensions (W\*D\*H) 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) Warranty

10 years

**Mounting Options** Floor Standing, Wall-Hanged

### **BATTERY SPECIFICATIONS**

Maximum Units in Parallel	16	8
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	16kW/10s	32kW/10s
Cycle Life @ EOL 70%	8000 Cycles	

<sup>\*</sup> Performance will degrade at operating temperatures above 104 ºF (40 ºC)

### STANDARDS & CERTIFICATIONS

**Safety Standards** UL1973, ANSI/CAN/UL9540:2023, UL9540A (expected Q3 2025) Listings CEC, LUMA, oGPE Transportation UN38.3

















<sup>\*\*</sup> Values are based on measurements taken at 77 ºF (25 ºC) at beginning of life.