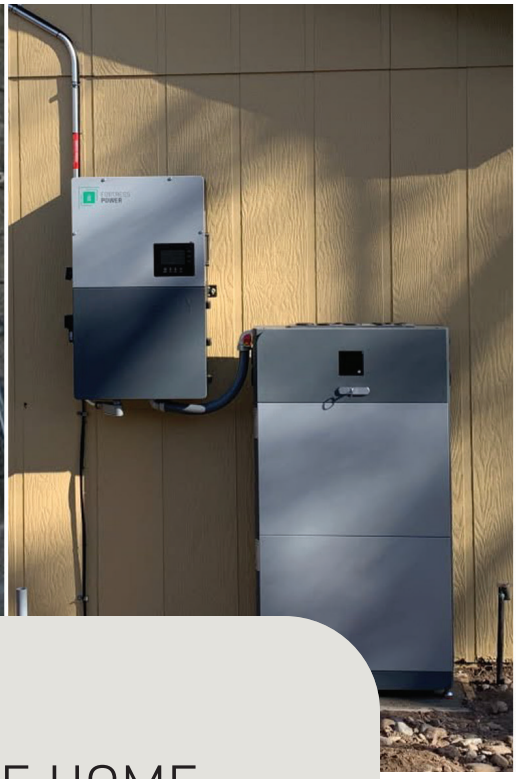


FORTRESS POWER
Secure your energy

eForce

STACKABLE WHOLE-HOME ENERGY STORAGE SYSTEM

OVERVIEW

Energy Freedom, Power for All Conditions

The eForce is a cutting-edge, modular, and stackable battery system. When paired with the Fortress Power Envy Inverter, it forms a seamless whole-home energy storage solution, providing reliable backup power and energy independence.

Tailored for those seeking advanced and reliable energy storage, while maintaining user-friendly installation and usage in diverse applications.

FEATURES

Seamless, Scalable, and Reliable

- Seamless integration with the Fortress Power Envy Inverter for a whole-home energy storage solution.
- The stackable design enables quick and easy installation with quick plug technology, reducing labor time and costs.
- With integrated heaters and an IP65 rating, this system is built to withstand diverse weather conditions.
- The modular design offers effortless scalability, allowing you to expand vertically up to 28.8kWh and 268.8kWh in total as needed.
- Top tier automotive industry cells provide up to 8000 cycles and the ability to fast charge without cell degradation.
- The back wall and front LED indicator displays battery percentage, alarm and battery status.

TECHNICAL DATA

Precision-Engineered Specifications for Optimal Performance

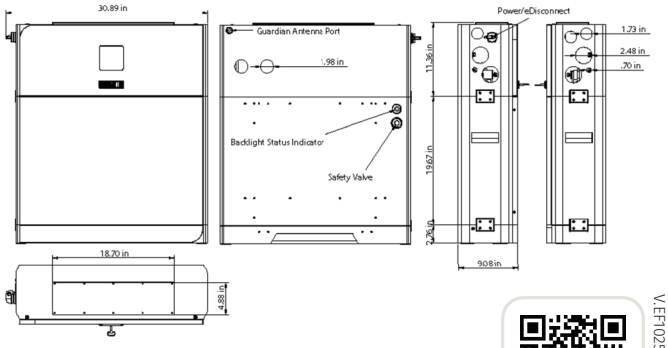
	9.6 kWh	19.2 kWh	28.8 kWh
GENERAL DATA			
Weight	269 lbs (122 kg)	487 lbs (221 kg)	705 lbs (320 kg)
Operating Temperature	-4 ºF - 140 ºF (-20 ºC - 60 ºC)		
Ingress Protection	Degree IP65		
Communication	RS485/Wi-Fi/CAN		
Dimensions (W*D*H)	30.89 x 9.08 x 33.79 in (784 x 231 x 858 mm)	30.89 x 9.08 x 53.46 in (784 x 231 x 1358 mm)	30.89 x 9.08 x 73.13 in (784 x 231 x 1857 mm)
Warranty	10 years		
Mounting Options	Ground-Mount, Floor Standing, Wall-Hanged (Separate Accessory)		
BATTERY SPECIFICATIONS			
Maximum Units In Parallel	16	8	5
Cell Type	Tier-1 Prismatic 15 Cell LFP		
Nominal Capacity	200Ah	2*200Ah	3*200Ah
Nominal Energy	9.6KWh	19.2KWh	28.8KWh
Nominal Voltage	48V		
Re-charge Voltage	46V		
Cut-off Voltage	42V		
Maximum Short-Circuit (A)	3000A, 5ms		
Operating Voltage Range	39~54V		
Closed-Loop Charge/Discharge (A)	120/160	240/250	250/250
Open Loop Charge/Discharge (A)	100/100	200/200	250/250
Bulk/Absorption Charge(V)	51.5V		
Max Charge/Discharge (A)	195/195	250/250	250/250
Surge Discharge Power W (10s)	14,400		
SGIP-Rated efficiency with Envy Inverter	92%		
Cycle Life @ EOL 70%	8000 Cycles		

STANDARDS & CERTIFICATIONS

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

Intertek

UN38.3 PASSED
Transport Safety Certified



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