



Did you know that your solar system STOPS WORKING when the grid goes down?

Adding Fortress Power Energy Storage to your solar PV system enables you to maximize the use of your clean solar energy by storing excess solar for use at night.

- · Provide power during grid outages
- Lower your electrical bill by avoiding having to buy electricity at peak times
- Enjoy a 26% investment tax credit when incorporating with solar
- Increase your independence from the utility grid

With Fortress Power, you can use your solar power all day and night – even during grid outages!

Our mission is to provide compact, user-friendly and affordable lithium energy storage solutions using the latest technology for all homes and businesses. Fortress Power's smart and innovative energy storage

units can be easily integrated with new and existing PV systems. They work by storing clean energy for when you need it most – it's that simple.

"Fortress Energy Storage keeps my family safe & provides us with reliable outage protection!"

— Dean (homeowner)







- Intelligent
- Reliable
- Powerful
- Slick
- User Friendly

Fortress eVault 18.5 Lithium Battery

Fortress Power's engineers are on a mission to provide you with the most advanced Lithium Iron Phosphate Battery available! Not only is the new Fortress eVault 18.5 kWh battery safe, long-lasting and affordable, but is also equipped with a brand new LCD screen that displays voltage, current, state of charge, and power output.

The built-in Battery Management System integrates multilevel safety concepts for excellent performance:

- Overcharge and Deep Discharge Protection
- Over-heat protection

Over Current Protection

- Cell Monitoring and Balancing
- Voltage and Temperature Monitoring

Those safety features are demonstrated on the LCD display. Plus, our technology is capable of connecting 12 units in parallel to achieve 222kWh! These batteries connected in parallel can communicate with each other for voltage monitoring and balancing.

How Fortress Power is better than alternative power back-up solutions

	Fortress Power Solution	Other Lithium Ion Solutions	Lead Acid	Generator
Applications	Backup power, time of use, self-use & off grid	Backup power, time of use, self-use & off grid	Backup power	Backup power
Depth of Discharge	100%	100%	50%	N/A
Potential Harm	Safest technology	Potential fires and thermal runway	Risk of harmful gases	Environmental pollution
Life Cycles	Up to 6,000	Up to 3,000	500-1,000	N/A
Warranty	10 years	10 Years	2 years	2 years
Fuel Cost	\$0	\$0	\$0	\$50-100/day
Maintenance	No	No	Yes	Yes

Technical Specifications eVault 18.5

Total Energy [kWh]	18.5	
Capacity [Ah]	360	
Nominal Voltage [V]	51.2 (48)	
	45-58.4	
Voltage Range [V]		
Recommended Charge Current [A]	100	
Max. Charge Current (Continuous) [A]	170	
Max. Discharge Current (Continuous) [A]	180	
Max. Pulse Current (for 10 sec) [A]	200	
Charge temperature [F]	32 to 113	
Discharge temperature [F]	32 to 113	
Recommend Storage temperature [F]	50 to 95	
Dimension [WxDxH, inch]	19.2x21.3x38.8	
Weight [lbs]	476	
Enclosure Protection Rating	IP21	
Mounting options	Floor standing	
Certificates	UL 1642	
Warranty	*5/10 years	
Scalability	Maximum 12 in Parallel (222 kWh)	
Communication	CAN/RS485	
High Current Circuit Breaker	250A	
Efficiency	> 98%	

^{*5} year warranty applies to installs outside of the US & Canada.

INTERESTED IN BECOMING A CERTIFIED INSTALLER?

Join us to bring the latest energy storages to millions of homes and businesses across the world.

Learn More

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