

# Keep Your Family Safe and Connected with Fortress Power



- **Latest Technology** - We use the safest, environmentally friendly Lithium Iron Phosphate technology
- **All-in-one Solution** - Smart energy management system supports multiple applications
- **Lowest Cost Per Cycle** - Competitively priced and easy to install with high round-trip efficiency
- **Long Lasting** - 10-year warranty; up to 6,000 cycles



**FORTRESS**  
 *Power*  
SECURE YOUR ENERGY



# 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 30% 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, state of charge, remaining capacity and power output.

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

- Overcharge and Deep Discharge Protection
- Over Current Protection
- Voltage and Temperature Monitoring
- Over-heat protection
- Cell Monitoring and Balancing

Those safety features are demonstrated on the LCD display. Plus, our technology is capable of connecting 8 units in parallel to achieve 148kWh! 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**

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

# Technical Specifications eVault 18.5

Total Energy [kWh]	18.5
Capacity [Ah]	360
Nominal Voltage [V]	51.2 (48)
Voltage Range [V]	45-58.4
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 8 in Parallel (148 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

[www.FortressPower.com](http://www.FortressPower.com) • [Sales@FortressPower.com](mailto:Sales@FortressPower.com) • 877-497-6937  
505 Keystone Road, Southampton PA, 18966

