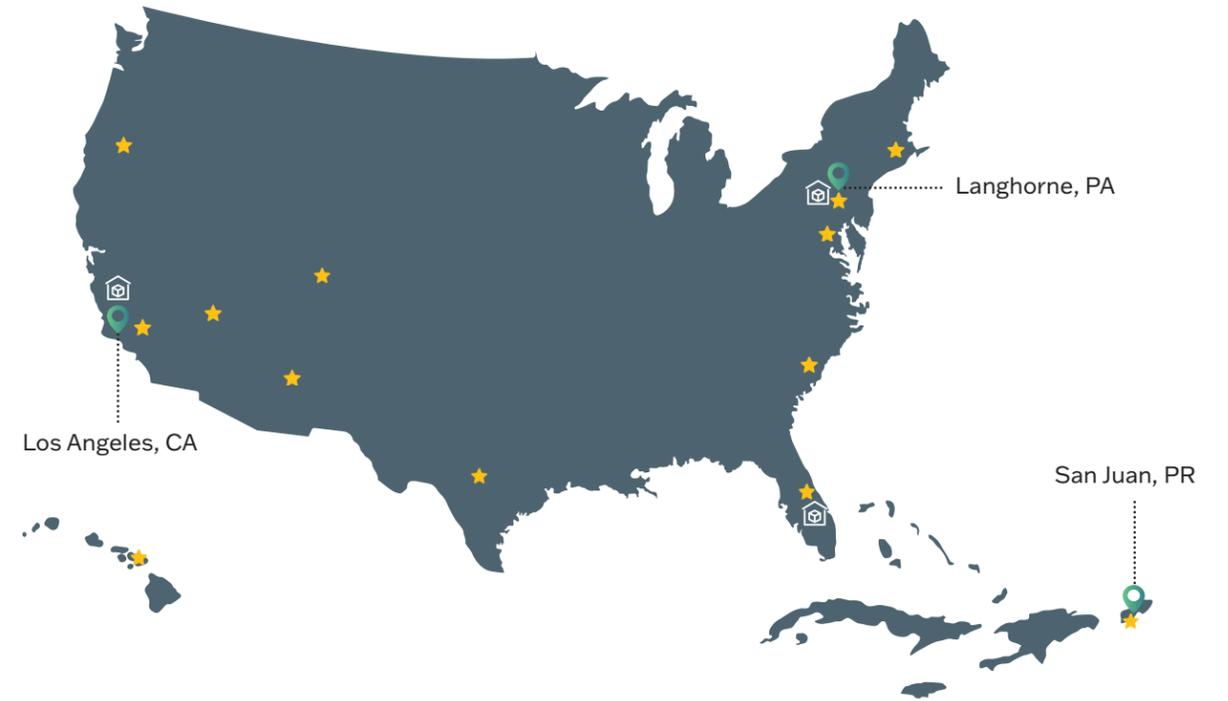




# RESIDENTIAL, COMMERCIAL, & INDUSTRIAL ENERGY SOLUTIONS



**Secure your energy** with  
Fortress Power energy  
storage solutions



Office Location



Warehouse Location



Fortress Power Support Team

## ABOUT FORTRESS POWER

Headquartered in Langhorne, PA, Fortress Power is a leading global designer and manufacturer of energy solutions for residential, commercial, and industrial applications. Fortress Power's line of batteries features Lithium Iron Phosphate (LFP) chemistry for optimal reliability, safety and long life. With over 25,000 global installations, Fortress Power products and solutions meet the power needs of households and businesses alike. In addition to its award-winning local live technical support, Fortress Power has partnered with industry leading lending institutions to help make investment in solar and storage as easy as possible.

# RESIDENTIAL ENERGY STORAGE

## Safe & Reliable Whole Home Backup

Keeping your home safely powered and protected during grid outages, Fortress Power residential energy solutions are made from the highest quality and longest lasting Tier 1 Prismatic Lithium Iron Phosphate cells. Fortress Power offers all-in-one solutions for numerous applications including small to large residential, light commercial, telecom, railway, mobile, and more.



Scan for residential product data sheets, photos, technical training and more.



25,000+ Installs Globally



Safest LiFePO4 Technology



Financing Options



Excellent Technical Support



Indoor & Outdoor

## 48V



### ENVI 8/10/12 kW

- All-in-one solution (PV, generator, on/off grid, AC/DC coupling)
- Whole home backup with 200A AC pass-through
- Fast installation & commissioning
- Built-in APsmart rapid shutdown transmitter
- IP 65 rated for outdoor install



### EVault MAX 18.5 kWh

- Scalable to 370 kWh for both residential and commercial buildings
- Local monitoring via large LCD display
- Easy install and fast commissioning
- 8,000 cycles (15+ year lifespan)
- Battery monitoring through App



### FLEXTOWER

- Outdoor rated enclosure with sealed eFlex units and 48v inverter
- Active & passive cooling to maximize system efficiency
- Easy to add DIN rail thermostat for cold climates
- Whole home backup with 200A AC pass-through
- Scalable to 60kW/162kWh



### EFLEX 5.4 kWh

- Salt water resistant aluminum enclosure
- IP65 dust and waterproof design for outdoor install
- Flexible mounting options (wall mount, floor-standing, server rack mount)
- Scalable to 162 kWh
- 8,000 cycles (15+ year lifespan)
- Battery monitoring through App

## AVALON HIGH VOLTAGE SYSTEM



### HV BMS & BATTERY

- 14.7 - 29.4 kWh (scalable up to 176.4 kWh)
- Sealed IP65 rated enclosure protects against dust, water, and humidity
- Active heating & passive cooling temperature management for outdoor installs
- 8,000+ cycle life with tier 1 automotive grade Lithium Iron Phosphate battery
- Modular ultra-thin design that is easily stackable and expandable



### SMART ENERGY PANEL

- 200A pass-through, grid transfer switch, and load management combined in one
- Combines multiple solar arrays, battery inverters, EV charger, and generator
- Integrated smart load control (up to 12 circuits), HVAC, pump, water heater, etc.
- Installer-friendly wiring access for easy installation & expansion
- LED indicator and LCD screen for system status.



### HV HYBRID INVERTER

- 7.6kW or 11.4kW inverter
- 4 MPPTs for maximum efficiency (max 18.24 kW PV array)
- AC or DC coupled for flexible design and retrofitting
- Integrated module level rapid shutdown transmitter



### LEVEL 2 EV CHARGER

- Up to a maximum of 50A, creating 12kW of power for increased charging speed
- 9X faster than a traditional AC home charger
- Can be adjusted through a hardware switch or the APP
- NEMA 4 weather protection exterior rated for all-weather use



### GUARDIAN

- The Guardian is wi-fi enabled and automatically discovers connected Fortress Power Batteries
- Submit product warranties for enhanced support and peace of mind
- Update battery firmware remotely and keep batteries up to date anywhere, anytime
- Share installation and monitoring data directly with support engineers and get help fast



### FORTRESS POWER MOBILE APP

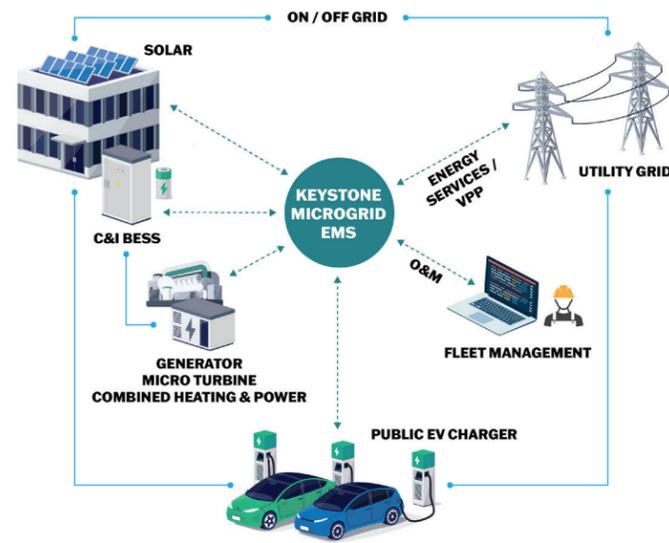
- One app for module-level PV monitoring, battery storage, generator, EV, load shedding & weather forecast
- Super easy system set up with straightforward descriptions and images
- Automatically shed loads and turn them back on when your battery is charged back up



# COMMERCIAL ENERGY STORAGE

## Fully Integrated Turnkey Smart Energy Storage Solution

Fortress Power's Commercial & Industrial energy storage solutions offer pre-configured, fully integrated, turnkey systems that reduce on-site installation time. Tier 1 Lithium Iron Phosphate (LFP) battery cells along with integrated cooling, fire suppression, and battery management systems provide the highest level of Performance, thermal stability, and reliability. Built-in microgrid controls allow integration with distributed energy resources while the intelligent grid interactive Energy Management and Fleet Management (EMS) software helps to reduce demand charge and energy cost, prepare for resiliency, and maximize your return on investment.



## OUR SOLUTIONS



Keystone Microgrid Control      280/300/343 kWh      125 KVA (480V)



208/480V

### ESPIRE (280/300/343)

- Advanced Liquid Cooling for extended battery lifespan
- Uses Tier 1 Automotive Lithium Iron Phosphate (LFP) battery cell
- Scalable capacity from 280 kWh to 5 MWh (max. 15 battery units in parallel)
- AC coupled configuration for indoor and outdoor installation
- Has all UL certifications to meets all utility requirement (CEC, SGIP, HECO and LUMA)
- Built-in Microgrid Controls with Adaptive EMS / Fleet Management
- Turnkey System for Fast Install

### ESPIRE MINI (208/480V)

- Large residential – Light Commercial
- DC or AC coupling options for indoor and outdoor installation
- Inverter(s), batteries, microgrid control, HVAC and fire suppression system all integrated in one unit
- Smart footprint with flexible configuration
  - 30/60/90KW inverter AC output
  - 45/90/135KW DC Charger
  - 81KWH~266 kWh battery capacity
- Uses Tier 1 Automotive Lithium Iron Phosphate (LFP) battery cell
- Has all UL certifications to meets all utility requirement (CEC, SGIP, HECO and LUMA)

# ENERGY SERVICES

Enhance project returns by optimizing retail savings and grid service revenue



### KEYSTONE DESIGNER

Project Design Tool

- Evaluate complete project and site level economics
- Right-size solar and energy storage systems
- Use customer's interval data or leverage sample profiles
- Upload solar production models or use the built-in optimizer
- See savings breakdowns over time and categories
- Includes all available utility rates and energy service revenue
- Output proposals and pro forma models



### KEYSTONE EMS

Microgrid control/EMS/Fleet management

- Embedded in eSpire and eSpire mini systems
- Integrates all distributed energy resources and various loads
- Monitor all available equipment for failures or warning signs in real time
- See savings breakdowns by time-of-use (TOU) periods & as a daily sum
- Portfolio level view of all projects for stakeholders with multiple sites
- Customizable alarms & alerts to ensure equipment is working properly

## EnergyBroker

Make your energy storage system work for you.  
Get paid for letting your battery provide energy when the grid needs it most.

EnergyBroker allows users to turn their solar investment into a revenue-generating vehicle by authorizing Fortress Power to sell excess energy back to the utility. By opting into the EnergyBroker program, customers will realize rapid return on their investment via reimbursement for energy supplied back to the overworked electrical grid.

### What we do

- Schedule your battery to minimize your utility bill
- Bid your extra battery capacity into wholesale markets
- When demand for electricity is high, the grid accepts our bid and your battery is discharged to relive strain on the power grid
- Verify how much value each home provided
- Distribute payments

### Existing Service Territories

- **Islands**  
Hawaii, Puerto Rico
- **West Coast and Mountains**  
California, Utah
- **Northeast**  
Connecticut, Massachusetts, New York (Long Island), Rhode Island



Weather & outage monitoring



Maximize installed system revenues



Monthly statements showing your revenue



minimize overall greenhouse gas emissions



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