



FORTRESS
POWER

FORTRESS POWER

About Fortress Power



We manufacture **the highest quality Lithium Iron Phosphate (LFP) batteries** at The Automotive Quality Standard for residential and commercial applications (5kWh-4.2MWH)

- U.S. Headquarters based in Langhorne, PA, plus 3 Offices: Asia, California, and Puerto Rico
- Founded in 2016
- Backed-up by Private Equity Partner
- 30,000+ Installs in US, International Markets
- Key Lithium Battery Supplier for numerous Government & Utility Entities

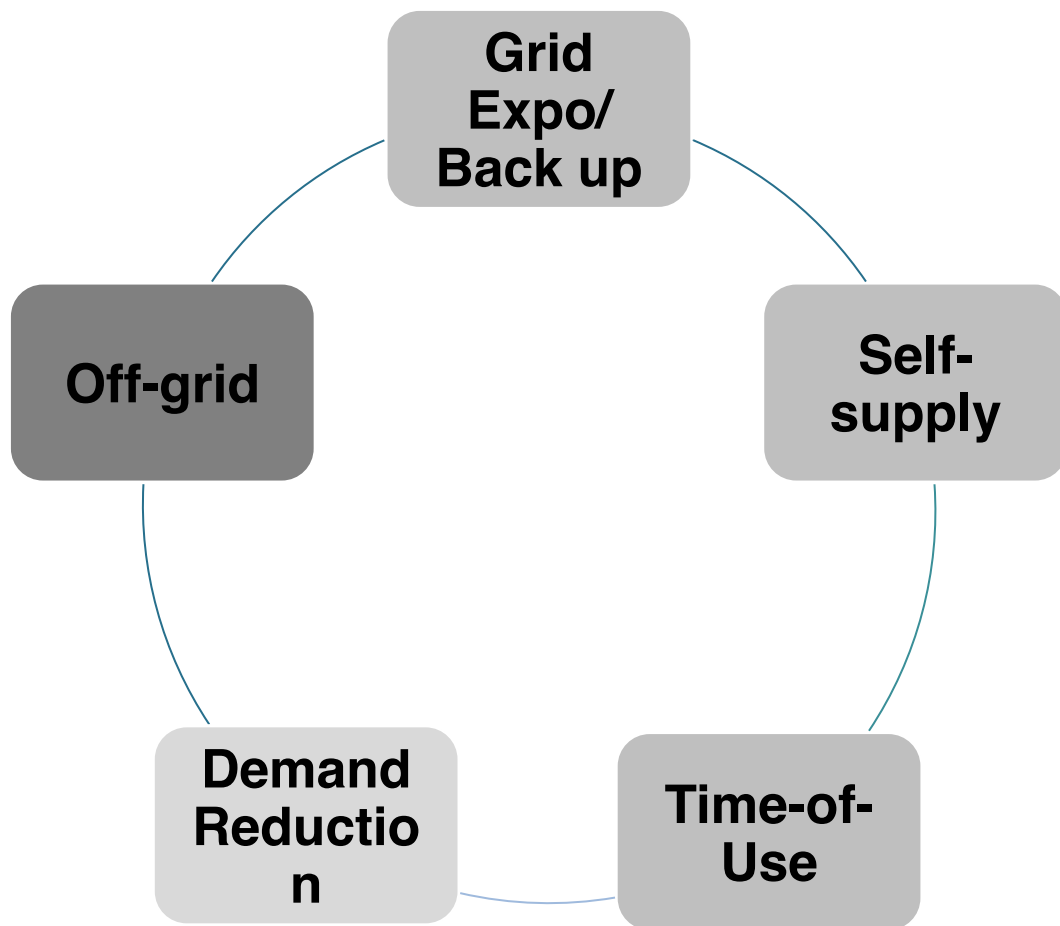


ESS APPLICATIONS





ENERGY STORAGE APPLICATIONS



Back Up Your Facility

Power your facility when the grid is off; keep solar panels running during outages. Run Generators more efficiently



Allows “Self Supply”

Install PV where grid prohibits back feed



Maximize Your PV Production

Store excess solar power for later use.



Save Money on your Electric Bill

Charge the batteries at off-peak times; discharge them during peak periods. Peak Shaving to lower demand.



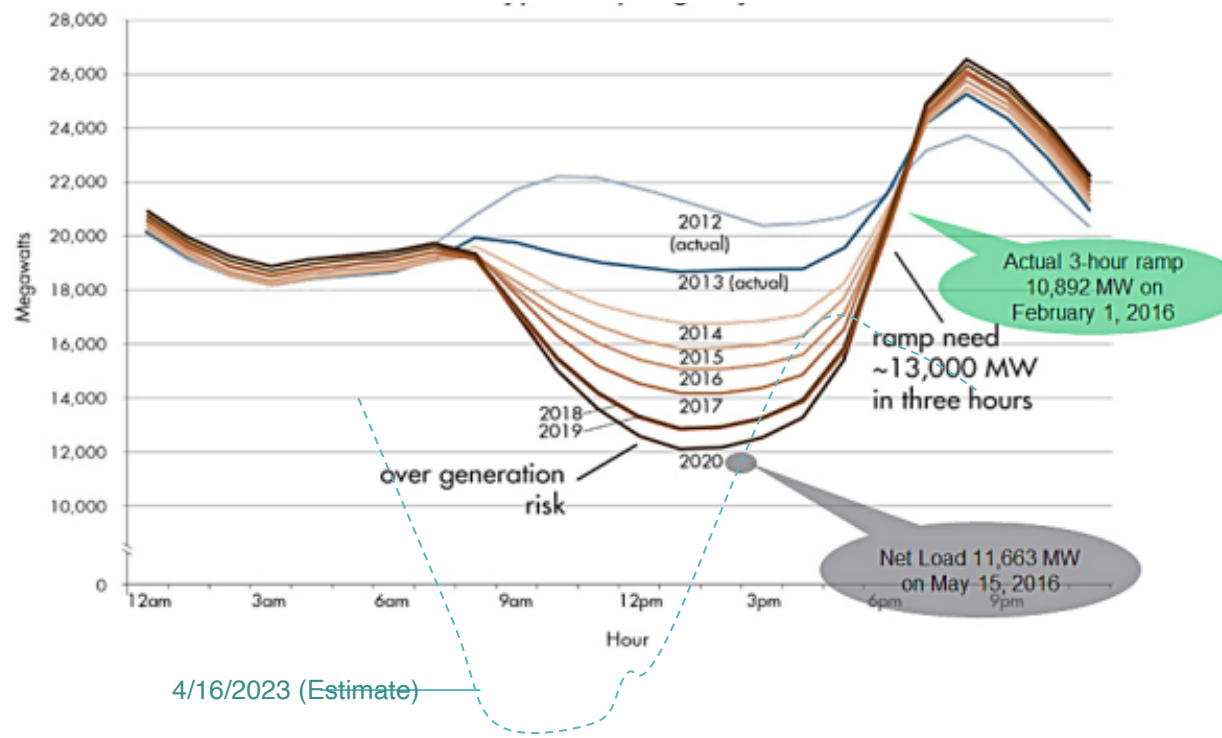
Tax and Incentives

30% ITC available if it's powered by solar; enjoy state and utilities rebates

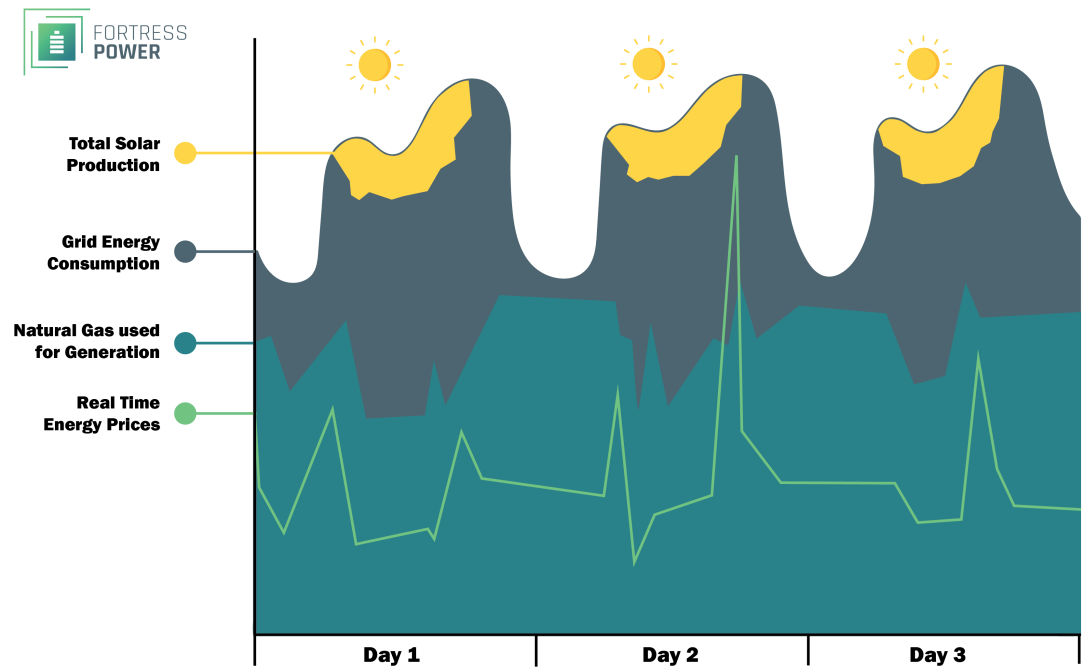


California “Duck Curve” -> Canyon Curve

Shows overgeneration risk and ramping need

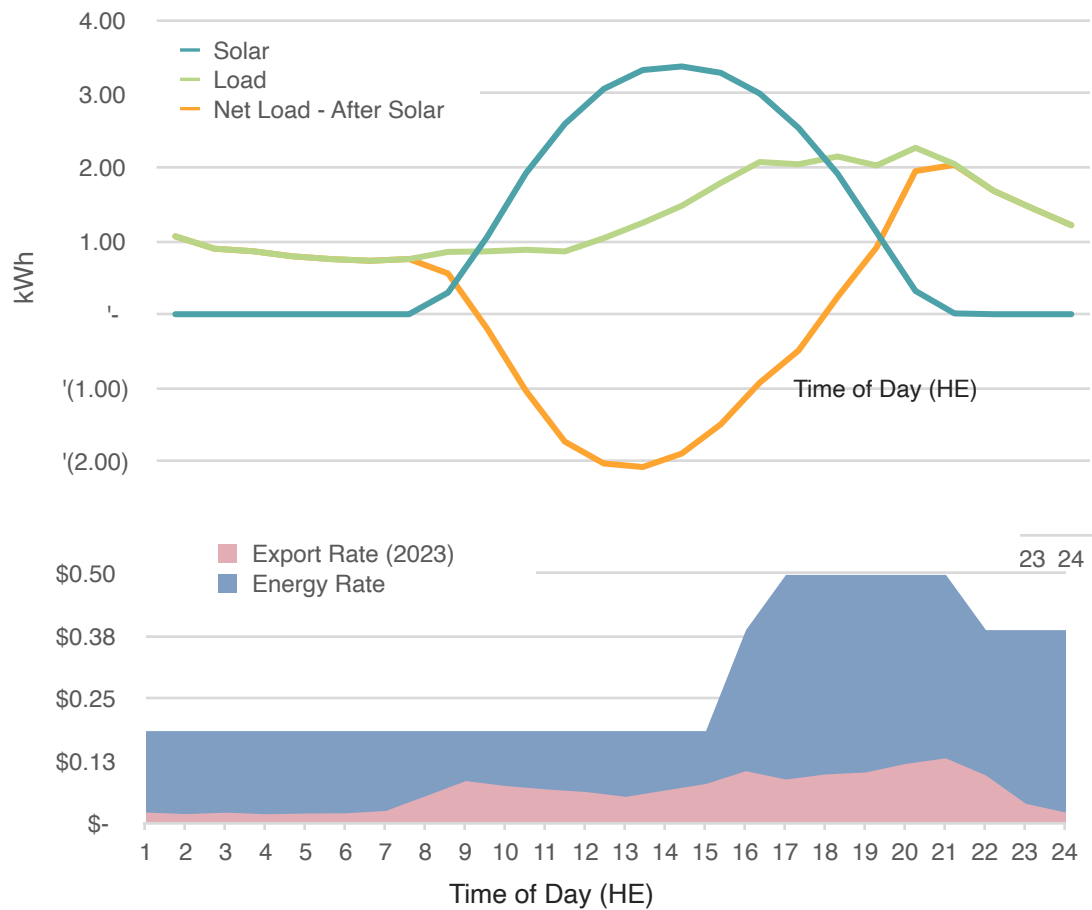


Gas Peaker Plants drastically increase output for evening peaks

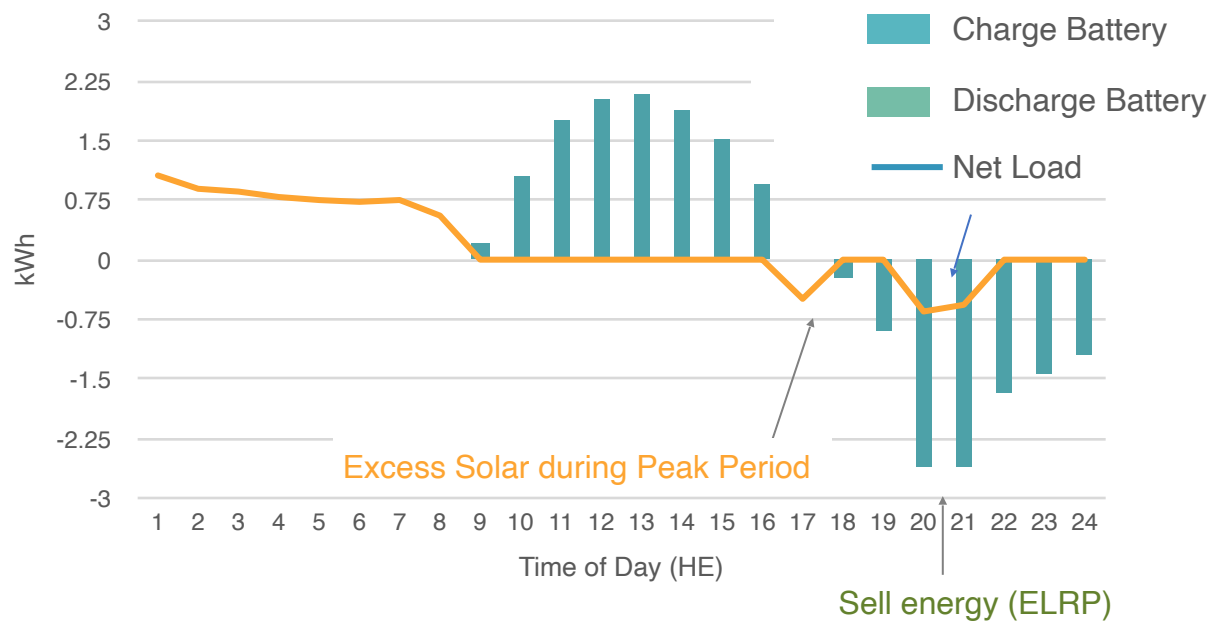


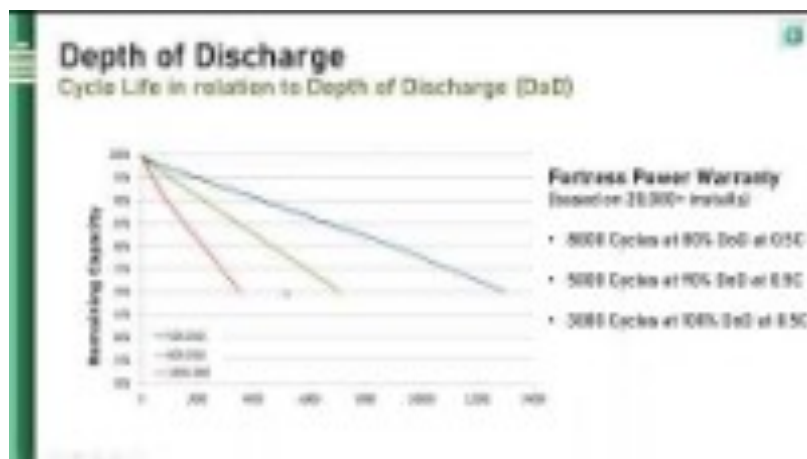


Value of Solar Midday is Low



Use energy when it's most valuable





1) **Not** all Lithium Iron Phosphate (LFP) Batteries are the same!

2) Different Manufacturers use different combat mixes, which determine the quality, longevity and safety.

3) The same manufacturer produces the batteries at different quality levels based on application (EV > Energy Storage > Telecommunication).

4) **Prismatic LFP cells** have the best power density and thermal stability.

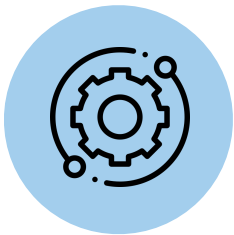
5) **Some batteries aren't ready for new code requirements, even if they are LiFePo4!**



Fortress Power 48V Product Line

eVault Max 18.5kWh (48V)

- Tier 1 Automotive Prismatic Lithium Iron Phosphate Cell with 8000+ cycle life
- The largest single unit that's approved for SGIP Projects (17.7kWhAC approved)
- Easy to install & sleek look
- Local monitoring through LCD display
- Scalable up to 370kWh
- Close-loop with all 48V hybrid inverter (Sol-Ark, Schneider, SMA, Outback, Victron, Growatt, Phocos)



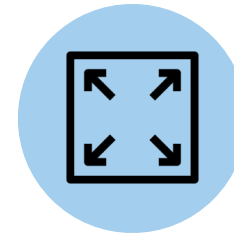
8000+ LIFE
CYCLES



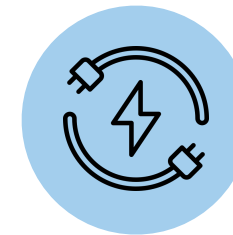
MAXIMIZE
INVESTMENT



UL 9540 & 9540 (A)
CERTIFIED



LARGEST
CAPACITY



98% ROUND
TRIP EFFICIENCY



eFlex 5.4 kWh (48V)

- Tier 1 Automotive Prismatic Lithium Iron Phosphate Cell with the highest cycle life & robust BMS
- Patented Enclosure design achieves 4 times better thermal performance than our competitors
- IP 65 Dust and Water-Proof design for outdoor install
- Flexible mounting options (wall mount, floor-stand or standard 19" industrial server rack mount)
- Close-loop with all 48V hybrid inverter
- Scalable to 162 kWh



UL9540
UL9540 (A)

Application
Scenarios:



RESIDENTIAL



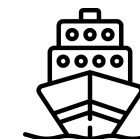
COMMERCIAL



MOBILE



RAILWAY



MARINE



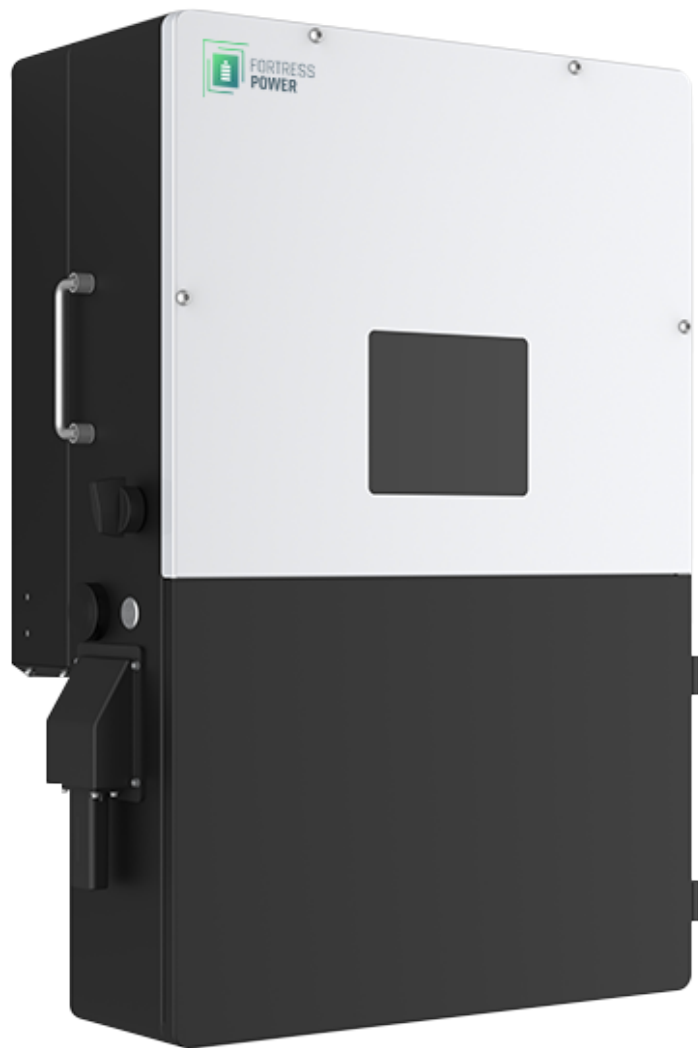
TELECOM



FlexTower

- ✓ Compatible with 48V Inverters
- ✓ IP 65 water & dust proof for outdoor installation
- ✓ Battery cabinet & Inverter cabinet are separated to allow flexible install & easy expansion
- ✓ Easy parallel multiple inverters or batteries





Fortress Power Envy 12kW

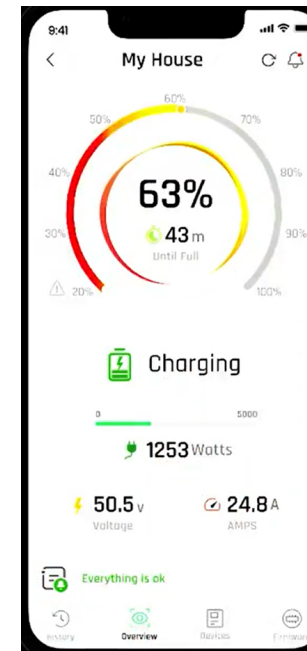
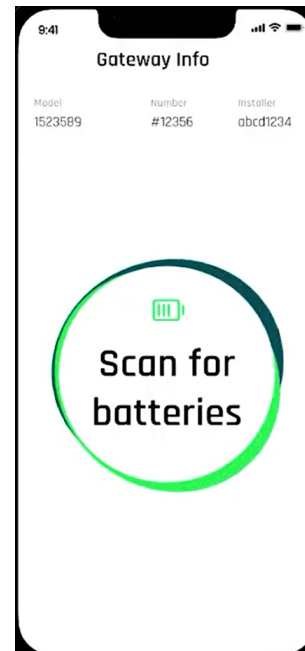
Features Include:

- An All-in-One Solution with PV, Generator, and On/Off Grid Capability
- 200A AC Passthrough
- Outdoor Rated at IP65
- Scalable up to 10 units (120kWAC)
- Built in RSS Transmitter
- 3 MPPTs for up to 21kW Output

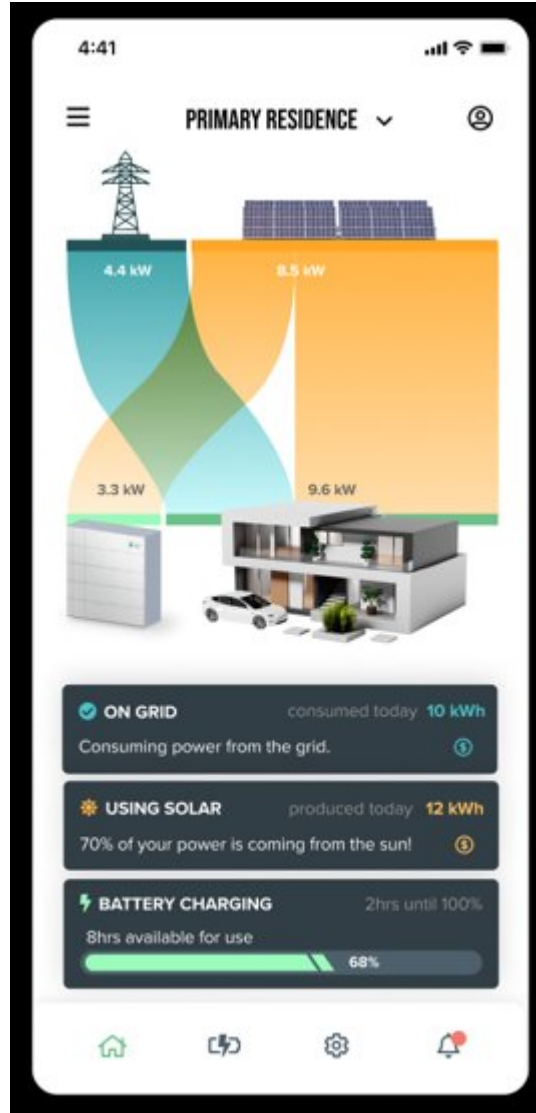
Monitoring Gateway/APP

Guardian

- Monitoring each single battery on the site
- Automatically discovers and connects to Fortress Power's products for Warranty Registration
- Remote firmware update & maintenance
- Live tech support chat



One App For All Applications



4:41

PRIMARY RESIDENCE

ON-GRID

Let's prioritize your on-grid objectives. Rank the energy goals most important to you when you're on the grid.

- 1 SOLAR SELF-CONSUMPTION
- 2 STORM PREP
- 3 BACKUP
- 4 LOWEST COST OF ENERGY

Home, Battery, Settings, Notifications icons

4:41

PRIMARY RESIDENCE

OFF-GRID

Let's prioritize your off-grid objectives. In case of an outage, what is most important to you?

- 1 CRITICAL LOAD
- 2 OFF GRID COMFORT
- 3 SUSTAINABLE OFF GRID
- 4 AWAY/KEEP ALIVE

Use the slider to adjust the percentage of power you would like to reserve in case of an outage.

68%

68%

Home, Battery, Settings, Notifications icons



Fortress Power High Voltage Product Line

Smart Whole Home Back up Solution

One solution for all

- Smart Micro-Grid Controller integrates Solar, Generator, EV charger and VPP
- Whole-Home Back-up via Smart Load Management
- Flexible Plug & Play Solutions (AC/DC Coupling; In- & Outdoor install; Wall mount or Floor mount)
- Easy Expansion with stackable design
- Safe Tier 1 Lithium Iron (LFP) Chemistry

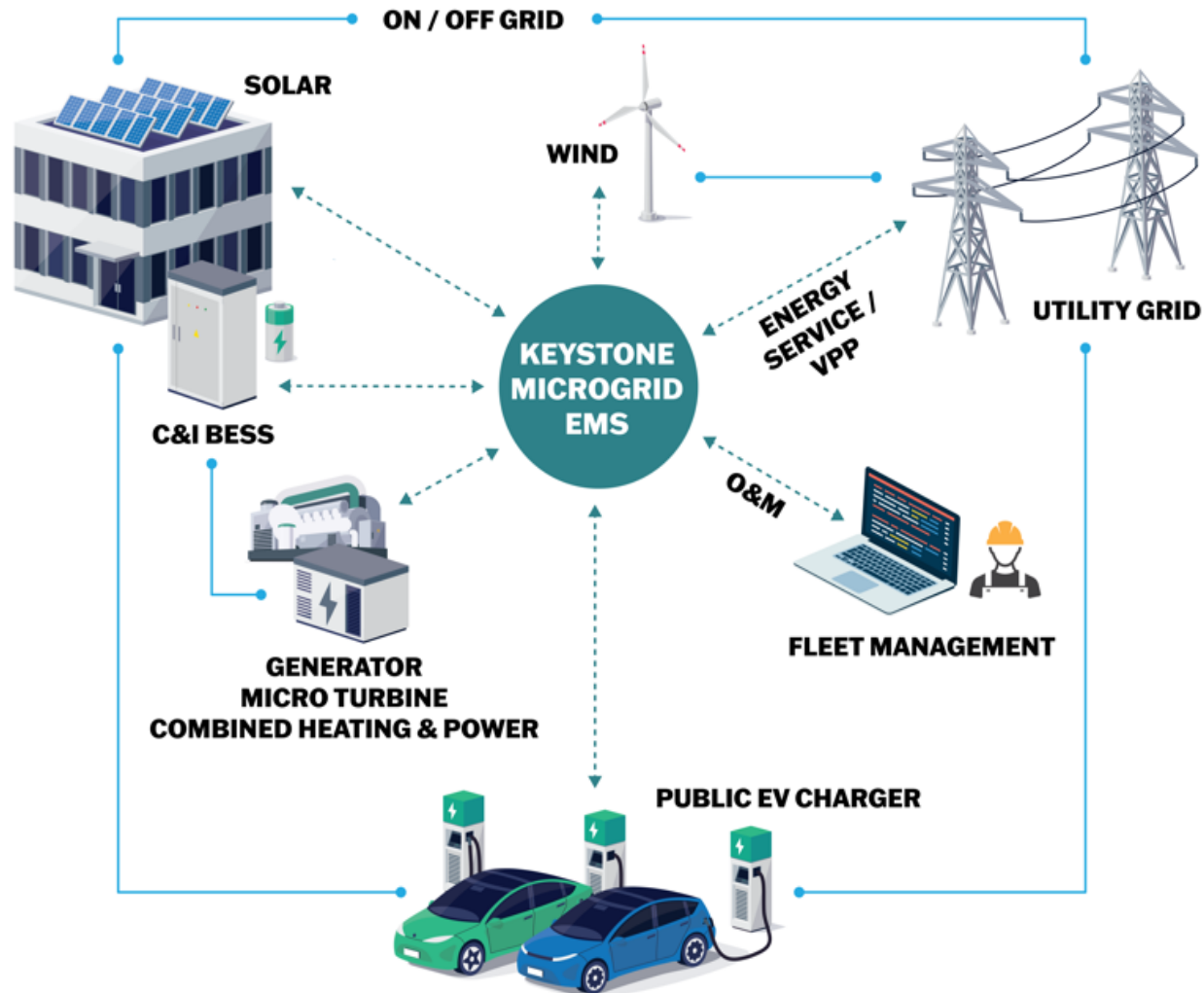




Fortress Power

- YOUR C&I ENERGY STORAGE SOLUTION PARTNER

The most **completed** EMS solution available on the market with **7+ years** in operation!



Energy Cost Saving

- Dynamic Peak Shaving
- Active Time of Use/Energy arbitrage
- Zero Export
- PV production maximization

Additional revenue from Energy Service/VP

- Ø Utility demand response
- Ø Wholesale market participation
- Ø Retail value optimization

Energy resilience

- Fully off-grid/Microgrid Application
- Grid-tie backup



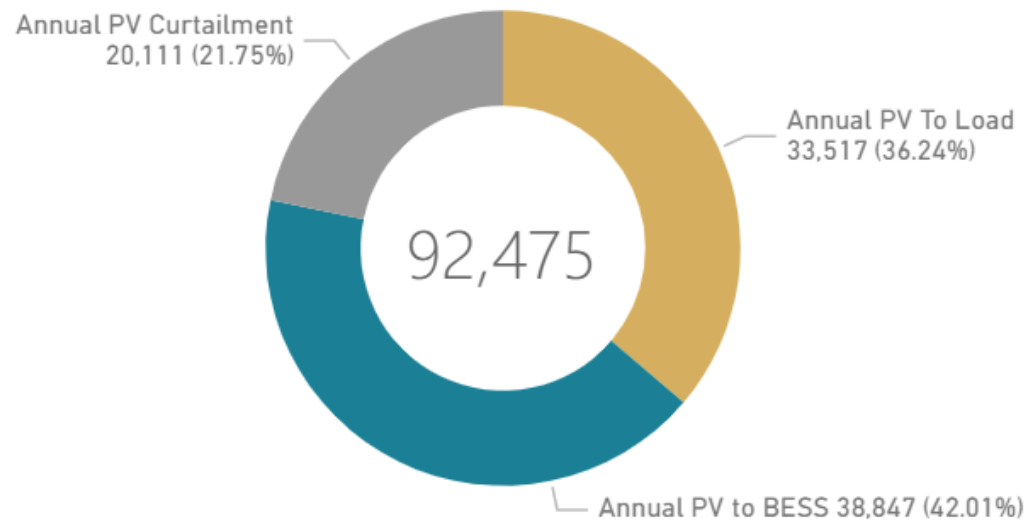
Solution:

New Mexico Brewery

- 55 kW Solar Array (92.5 MWh/year)
- 125 kW/280 kWh eSpire system
- CapEx total: \$349,957

- Results:
- \$167,455 incentives and tax Benefits
- \$44,654 annual utility bill savings (86%)
- 88% of savings from demand charges
- Payback in <5 years

PV Generation Distribution (kWh)



Project Overview

\$349,957

TOTAL PROJECT COST

- TOTAL INCENTIVES **\$167,455**
- IRR **16.7%**
- PAYBACK **4.9 YEARS**
- NPV **\$213,000**

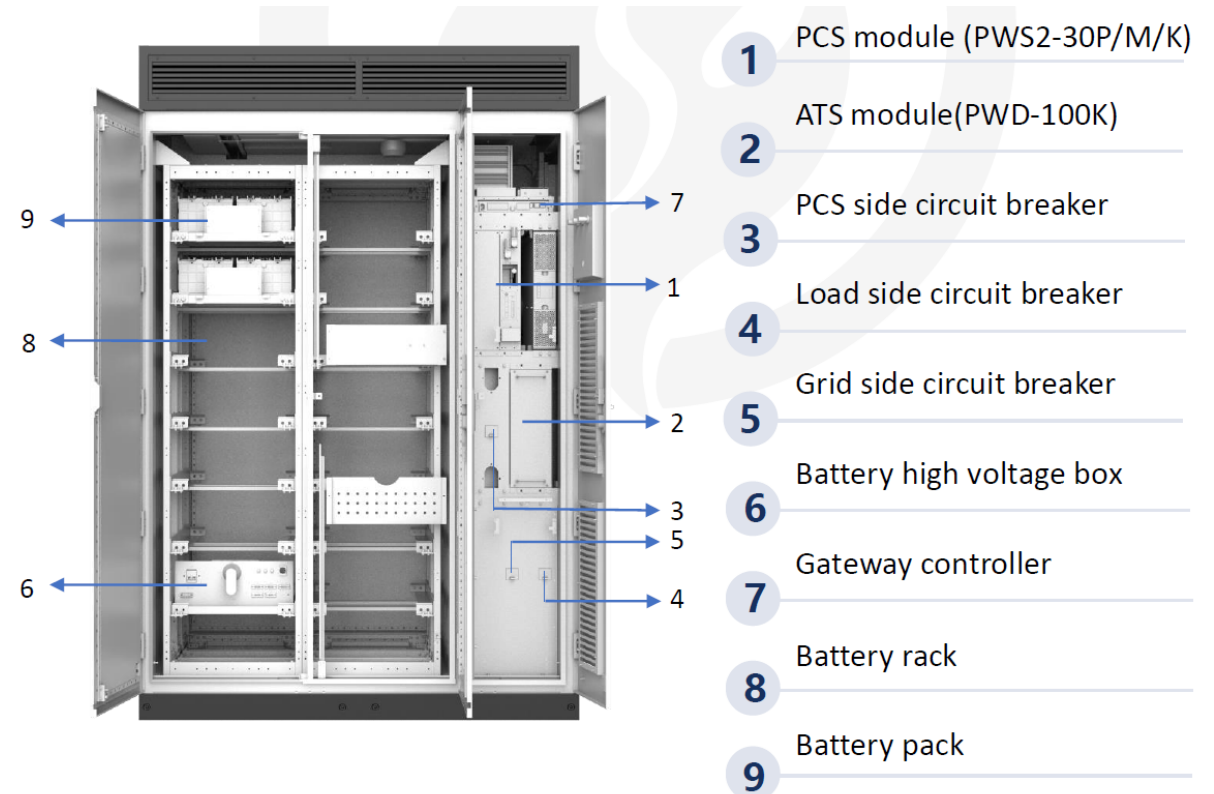
Savings Summary

- | | | | |
|------------------------|--------------------|-------------------------|-----------------|
| - BASELINE YEARLY COST | \$51,500 | - TOTAL UTILITY SAVINGS | \$44,654 |
| - NEW YEARLY COST | \$8,700 | - DEMAND SAVINGS | \$39,470 |
| - TOTAL SAVINGS | \$42,800 | - ENERGY SAVINGS | \$5,185 |
| - LCOE | \$0.3 / KWH | - ENERGY CREDITS | \$0 |

eSpire Mini-Plug & Play Solution

Key Features

- All in One DC/AC Couple ESS, Small Footprint (WDH)80x50x90
- Integrated Grid Disconnect (30ms transfer time)
- Fully integrated Microgrid/EMS
- Flexible Configuration:
 - 30/60/90KW 208 or 480AC
 - 45/90/135KW MPPT
 - 81KWH~266 KWh
- Stackable Up to 3 Units
- UL 9540(A) Certified
- NEC & Grid Compliance
- Support remote O&M, reporting, alarm



eSpire 280/300-Modular & Scalable Design

Key Features

- AC Couple 125KW 3 Phase BESS
 - 280/300KWH Battery Capacity
- Modular Design: Flexibility deployment
- Fully integrated Microgrid/EMS
- Stackable up to 0.65 MW AC with 4 MWH Battery Capacity
- UL 9540(A) Certified
- NEC & Grid Compliance
- Support remote O&M, reporting, alarm





Training Portal & Other Resources

The screenshot shows the top navigation bar of the Fortress Power website. The logo is on the left, followed by menu items: PRODUCTS, APPLICATIONS, DEALERS, EDUCATION & TRAINING, and SUPPORT. A dropdown menu under EDUCATION & TRAINING is open, showing 'Webinars'. On the right, there is a 'Dealer Login' button and a hamburger menu icon.

The main content area features a large background image of a house with solar panels. A yellow box with a red border contains the text 'Training Portal'. Below it, the text 'ENERGY YOU CAN DEPEND ON' is displayed in large white letters, followed by the subtitle 'Smart, Clean Storage for Renewable Energy Sources'. Two buttons are visible: an orange 'HOMEOWNER' button and a green 'INSTALLER' button. A blue button at the bottom center says 'Training Portal' with a house icon.

A chat bubble on the right side contains a profile picture of a woman and the text: 'We are here for you! Let us know if you have any questions.' A green chat icon is located at the bottom right.

At the bottom of the page, there is a data visualization area. It includes a table with the following data:

Outflow adjustment factor ← use wisely	0%	Annual Consumption	15400	15400
---	----	--------------------	-------	-------

To the right of the table is a bar chart showing energy consumption data over time.



**If you want to go fast, go alone;
if you want to go far, go together!**



**FORTRESS
POWER**