



Off The Wall Energy

A BETTER WAY TO USE ENERGY

Electric power usage began over 150 years ago. How we use it hasn't changed much since then. Utility companies generate and deliver power how they see fit and at prices they set. We plug our devices into electric outlets and hope the power is there and that it doesn't cost too much. We believe its time for a change.

The Problem



Access to reliable and affordable power.



Consumers are paying more for power. Utilities' implement higher rate periods to control customer usage behaviors to prop up the grid.



Climate induced wildfires and floods impact reliable power and lead to massive grid upgrades, which further increase costs to consumers.



Current solutions exclude many consumers due to high upfront product costs, utility policies, and the immobility of the solution.



Underserved and disadvantaged communities suffer the most from lack of Energy Equity.

Climate change is an existential threat for humankind. Energy usage is a leading factor affecting climate change. The world recognizes the need to transition to cleaner sources of energy. We've built a platform that uses energy more efficiently, allows for cleaner energy sources, and provides reliable and affordable power for everyone. With Energy Equity as a foundation of our business model, even as a startup, we have a clear vision of how to develop our products in ways that have positive social and ecological benefits to the communities we hope to serve.

Our Solution



Portable Energy Storage

We give consumers control over their energy usage, lower their costs, provide backup power, lower their CO2 emissions, and allow for renewable energy sources.

Personal Energy Platform™ (PEP™)

- Consumer Controlled
- Affordable Price
- Attractive Design
- Easy to Use
- Lowers Electric Bill
- 4-24 Hrs Backup Power



- Intelligent Power Manager
- Operates 24/7/365
- Autonomous Operations
- 5 Minute Install
- Global Grid compatible
- Solar & Wind supported

Simply plug the Personal Energy Platform (PEP) into the outlet, plug your devices into the platform, quickly configure your preferences, and the platform operates autonomously 24/7/365 without further intervention. The use of the platform doesn't involve utilities or agencies for installations, approvals, or permits. The PEP learns when to purchase the lowest cost cleanest power, when to use stored energy to lower electric bills, maintains uninterrupted power during grid outages and based on your preferences keeps you informed on outage events and durations. The PEP is designed to support both legacy DC-plug connected devices, AC-DC power inverted devices, USB, wireless device charging, and 120V/240V AC powered devices.

Clean power purchase partner: WattTime.org

"Off The Wall Energy is truly thinking differently about empowering each of us with the ability to lower our carbon footprint. Giving consumers intelligent control over their energy usage in ways that increase efficiency and resilience is a perfect complement to Automated Emissions Reduction (AER) which provides the added benefit of environmental impact. Expanding these capabilities into new regions is well aligned with WattTime's mission to enable all organizations and consumers with new clean energy choices. WattTime intends to act as a project partner with Off The Wall to develop a marginal emissions model which would allow Off The Wall's Personal Energy Platform to automatically shift energy use to the cleanest time periods and avoid the dirtiest. Please note that engineering research to determine feasibility of development of emissions data in the region would be needed to determine WattTime's role in the project."

Traction



Functional Prototypes

- 2017 Illinois LLC
 - R&D Prototypes
 - Mobile App
 - Public Events
- 2019 California Relocation
 - 3D Prototypes (4th gen)
 - 2X Energy Capacity
 - 75% BOM Reduction
- 2021 LLC => Corporation
 - Power Systems Enhancements
 - 98% Energy Efficiency
 - DFM & DFA Optimization



Core Technology

- Power Management System
- PCB: Software & Circuitry
- Battery Management System
- Mobile App
- Attractive Enclosure
- Patent Pending

Energy storage is the way of the future. The current approaches involve large-scale utility installations or whole-house grid-connected residential energy storage systems. These approaches perpetuate the utility's paternalistic top-down power delivery system to set pricing and exercise control over energy storage usage whether or not they are energy efficient or lower costs to consumers. The Personal Energy Platform was designed from the end consumer's perspective, whether they own or rent a home or apartment, on-grid or off-grid, urban or rural. Our goal is to transition our prototype technologies into two commercial Personal Energy Platform products within 6 months of adequate funding.

Portable Residential Storage



* PEP – Personal Energy Platform

Customers can deploy multiple PEPs with different energy storage capacities to match different power needs.

The combined PEP energy storage can lower energy bills by 10-20% and provide hours of backup power.

Our portable residential storage solution gives consumers control of how much energy storage they need and where they need it. We allow consumers to purchase the appropriate amount of energy capacity for the devices they want to backup and the opportunity to lower their electric bills from the aggregate energy savings of all the platforms. A single Personal Energy Platform intelligently supports up to 8 attached devices, has a built-in wireless charging pad, and allows for simultaneous use of renewable energy sources via direct solar panels, solar shades, wind turbines, or other generation sources.

Energy Storage for Everyone



Business



Apartments



Home



Hotels



- Homeowners & **Renters**
- No Utility involvement
- Integrated Smart System
- Scalable Capacity
- Solar & Wind Ready
- Move – take it with you!

Portable energy storage is the quickest way to deploy 1000s of GW of energy storage across industries, businesses, and individual settings. Our platform requires no special installation or utility involvement beyond plugging into a standard AC outlet, and if desired connecting a solar panel, solar shade, or other renewable energy source. The platform's modular design democratizes the affordability of energy storage, allows for scalable capacity, while the platform's power management system opens new opportunities for individuals and businesses to lower their carbon footprint and overall energy costs.

Portable Energy Market

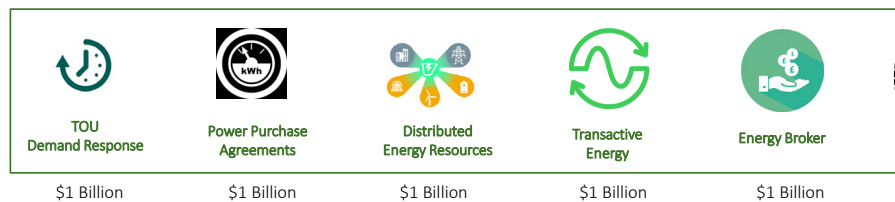


Product Sales



\$45 Billion
total market
opportunity
today

Energy Services



\$5 Billion
total market
opportunity
by 2025

Our future roadmap includes Personal Energy Platform product sales across five major markets on a worldwide basis. Product sales to be followed by energy services subscription offerings like Time-of-Use and Time-of-Purchase to give customers more energy usage choices and savings. The platform was designed to support all global grid and renewable energy standards and to allow for use across all communities whether they be urban, rural, grid, off-grid, and to be intuitively managed by customers no matter their technical skill level.

Revenue Model

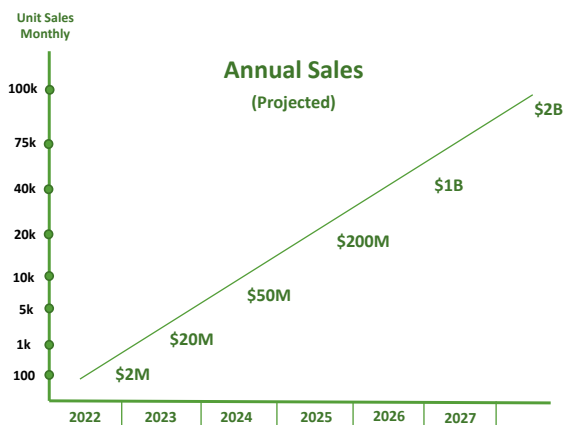


PEP Model Sales

- **CommHub**
\$465 | 400W/.4kWh | 2-4Hr Backup
\$695 | 600W/.6kWh | 4-6Hr Backup
- **PowerPlus**
\$1395 | 1200W/1.2kWh | 8-10Hr Backup

Sales Channels

- **B2C – Consumers**
Direct, Online, Consumer Groups
- **B2B – Businesses**
Offices, WFH, Hotels, Restaurants
- **B2B2C – Business to Consumers**
Retail, Utilities, Solar, Off-Grid
- **B2O2C – Org to Communities**
Orgs, NGOs, CCAs, World Bank



Our revenue model involves multiple sales channels to deliver two of our initial Personal Energy Platform models, a base communications model, CommHub, and an extended storage capacity model, PowerPlus. We leverage common proprietary developed technology across all models thereby reducing costs to manufacture, assembly, repair, and support. We believe early Personal Energy Platform adopters will be in the direct B2C market with purchases of the CommHub and PowerPlus models. We intend to promote sales within the B2B market with expectations of 100s of units per account. The traditional B2B2C market is expected to follow once we have received industry certifications like UL and other regional certifications. From conversations with World Bank staff, NGOs, and national community services organizations, we see the potential for early large-scale sales in the B2O2C market comprising of bulk purchases in support of their renewable energy and energy equity initiatives. During conversations and public demonstrations, we received positive purchase responses from 200+ individuals, 30+ retail business outlet personnel, multiple hotel owners, office workers, tiny home and off-grid enthusiasts.

Why we're better



- **Personal Energy Platform™**

- All AC & DC devices

- **Tesla Powerwall**

- House AC Circuits Only

- **Goal Zero**

- Limited AC & DC devices

- **CyberPower**

- Limited AC & DC devices

	Personal Energy Platform	Powerwall	Goal Zero	CyberPower
Unit Price	Medium	Highest	Medium	Low
Portable	Y	N	Y	Y
Scalable Capacity	Y	Y	N	N
Prioritize Source Solar/Wind/Grid	Y	Y	N	N
4 – 24Hr Backup	Y	Y	Y	N
120V/240V Grid	Y	Y	N	N
UPS Capabilities	Y	Y	N	Y
TOU Profiles	Y	Y	N	N
Autonomous Operations	Y	Y	N	Y
Energy Efficiency	Highest	Medium	Low	Low

We think differently about how electric power has historically been delivered and consumed. We began this journey to solve power availability, complexities, and costs in our own lives. The platform addresses multiple energy efficiency and consumer usability concerns not addressed by similar products. There are many fine portable power backup solutions in the market to power devices when the grid fails. We are much more than a portable power backup solution. Our platform is designed to be integrated into the daily energy usage of our customers, eliminating the 'cord clutter' of device AC-DC inverter power cords, supporting 10,000s of legacy DC-plug connected devices, providing immediate and ongoing cost-savings benefits, and to broaden our customer's ability to lower CO2 emissions to help the planet, and expand their awareness and control of their energy usage behaviors

Energy Equity for Everyone



Designed for the World

Affordable for Everyone

Global Ready: Grid & Renewables

Urban or Rural: Owners or Renters

Designed for Equity

Engage Underserved & Disadvantaged Communities

Create Jobs, Build Skills, Promote Careers

Foster Local Energy Ecosystem

From the beginning, we wanted to build a portable energy storage system that was easy to use, simple to install and manage, and could be used by everyone. Our first Personal Energy Platform prototype focused on the technical aspects of energy storage, power and battery management, and energy efficiencies. Subsequent prototypes focused on designing the product to minimize manufacturing and assembly complexities. We have achieved a product design where the components can be easily assembled and tested without requiring advanced skills.

We intend to involve local communities to share in the economic and social benefits of our solution.

Bob Guimarin, CEO

We're a Social Benefit company, committed to Energy Equity.

Everyone involved with our platform development is acutely aware of the energy inequality that exists in communities around the world. We are a culturally diverse group that has first-hand experience in communities who suffer from minimal or no access to reliable power. Our first platform prototypes supported direct solar panels and could be connected to any grid in the world and immediately begin to operate. We are committed to do what we can to improve Energy Equity across underserved, disadvantaged, and indigenous communities. Reliable and affordable power should be available to everyone.

Founders



Bob Guimarin – CEO, Co-Founder
Leader | Tech & Business | Innovator



"Kadir and I have worked together for 12 years. We both like to build things that make a difference in peoples' lives."

Kadir Yilmaz – CTO, Co-Founder
Power Electronics | Design | Global Systems



"Bob has an ability to envision possibilities. Building PEP prototypes has taught us how to overcome obstacles and design products that consumers really want".

Kadir and I have over 50 years in IT systems, communications, grid infrastructure, power systems engineering, and consumer electronics expertise. Our vision is to have a positive impact on people's lives around the world by reshaping the way we think about and use electric power. We strive to reduce wasteful energy practices, lower consumer electric costs, simplify electric power usage, promote renewable energy sources, and bring power to those who have none.

Contact



<https://www.offthewallenergy.com>

<https://www.otwenergy.com>

info@offthewallenergy.com



Bob Guimarin CEO, Co-Founder
bob@offthewallenergy.com

Please reach out to learn more about us, the Personal Energy Platform, and help us understand your energy needs.

We invite you to join with us to bring the Personal Energy Platform to market. We are very grateful for your support.