



Small Business Certifications
Service-Disabled Veteran-Owned Small Business

Improving Mission Effectiveness by Enhancing Mobility, Endurance, & Resilience

A U.S. Service-Disabled Veteran-Owned Small Business delivering off-grid energy and lightweight materials products and services to enhance operational capabilities, mission resilience, and quality of life.

Adaptive, Responsive Model

- Lean** | Design, Build, Test, & Manage supply chain in house
Low Overhead
- Agile** | Quickly expand or contract capacity
Tailor capabilities & manufacturing approach
- Collaborative** | Work with industry partners on product & component designs & manufacturing

Design Focus

Optimizing Size, Weight, & Power + Durability & Cost

- Lightweight High-Strength Materials
- Cutting Edge Electronics
- Novel Design Concepts
- State-of-the-Art Manufacturing

Military-grade Portable Solar Generators, Panels, Arrays



Portable Modular Hybrid-Ready Generators & Power Systems



Core Capabilities

- Lightweight Materials Engineering & Component Design
- Portable Power System Design & Manufacturing
- Energy Demand & System Requirements Analysis
- Solar & Hybrid Energy System Modeling
- Power & Energy Project / Program Management

Products

Light, Compact, Durable | Effective Point-of-Use Power

- Glass-free solar panels in rigid, folding, semi-flexible, and ultra-compact formats | 25-watt to 370-watt
- Rugged, portable all-in-one solar panel + rack systems / solar generators | up to 600-watt
- Tactical power & charging / Micro-UPS kits | 50 to 300 watt continuous (24/7) power
- Portable, Modular Hybrid-Ready Generators & Hybrid Power Electronics | Up to 10,000W of DC and AC Power

Proven Performance

Powering Missions | Lightening Loads | Adding Resilience

- Reduced USMC Portable Solar Array Weight by 52% & Volume by 68% | Eliminated glass & maintained power
- Delivered over 5,000 Expedition™ Rugged Portable Solar Arrays
 - Many operating continuously for >6 years in harsh conditions
- Designed, Built, Tested Composite Lightweight Housing Retrofit for 3kW Military Generator | Reduced housing weight by ~35%
- Developed rugged non-reflective 370W solar panels for airfields

Modular Scalable Packable Power & Charging Kits



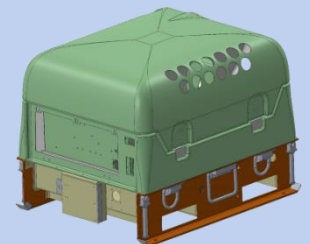
Applications

- Tactical Radios & Batteries
- End-user Devices
- Ground & Environmental Sensors
- Communications Relay
- Persistent Surveillance Systems
- Small Unit Ops Centers
- Vehicle "Hotel" & Export Power

Customers

- U.S. & Foreign Military
- Military Installations
- Homeland Security
- U.S. State Dept. & UN
- Airports
- Overland Campers
- Boaters

Composite Materials Design & Manufacturing



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