



OnPower™ + Portable Battery Unit With Remote Insights

100% Self-powered

- Powered via a proprietary battery and power management system with the option to add bullet-resistant V5 Solar Panels, directly connect to AC power when available or a combination of both

Power Management

- Efficient power delivery with advance battery subsystem
- Optimized power delivery provides up to 3.5X longer battery lifecycle compared to traditional lead acid battery solutions
- Protection against over current, over voltage, under current, under voltage, leakage and short circuit

Truly Portable

- Compact and light wight form factor allowing the unit to be deployed on any standard outdoor pole

Ruggedized Enclosure

- IP66-rated
- Impact protection against solid objects
Tight seal to protect against dust and water immersion between 15CM and 1M for up to 30min

Power Virtually Any Device

- Designed with customizable inputs and outputs to power IoT devices such as sensors, compute platforms, cameras, communication and networking equipment, field test and measurement tool, emergency lighting, signage and many more

Edge processing

- Onboard smart sensors that constantly monitor the health of the system to ensure optimum power input, optimum power output and optimum systems and battery health

Remote Insights

- Equipped with onboard sensors and communication methods such as Wi-Fi, Cellular or RF connectivity in order to send and receive system health and status information. View and manage this information on the V5 Systems Multi-Sensor Monitoring System available through a web-based user interface or Andriod/iOS app

INTELLIGENT OFF-THE-GRID POWER FOR VIRTUALLY ANY HARDWARE DEVICE

OnPower Portable Solar & Battery Management Unit with Remote Insights generates power through a proprietary battery and power management system. This advanced device can power 3rd party hardware devices or be used for backup power. Equipped with smart sensors enabling remote insights. It is contained within a lightweight, ruggedized enclosure for outdoor deployments.

BENEFITS:

Long Lasting

- Up to 20% longer battery life over traditional lead acid batteries

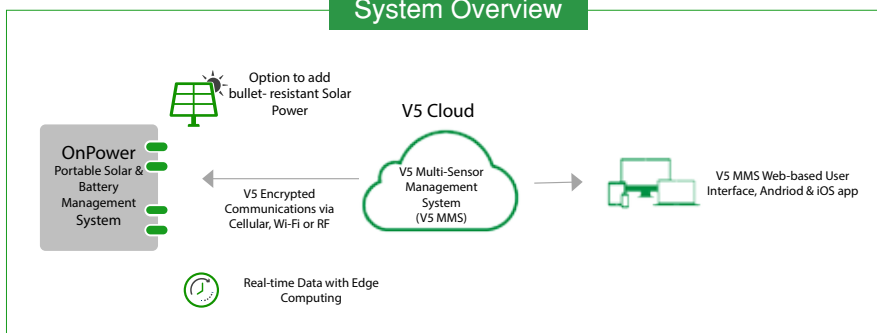
Fast Deployment

- Compact turnkey solution
- Effortless setup

Lower Expenses

- No trenching
- 2-year warranty included

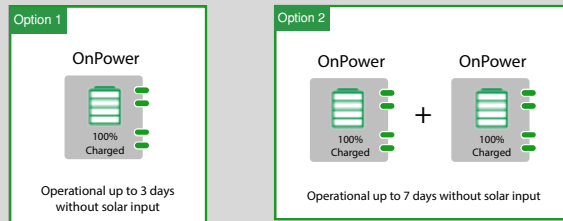
System Overview



Where to buy?
Visit our website:
www.v5systems.us

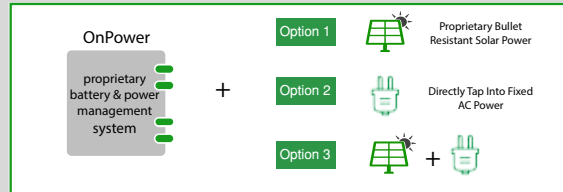
Questions?
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1.844.604.7350

Customizable Operational Time



Choose the operational time that's right for you. Fully charged unit running a hardware device of 6 watts without any solar input will be operational for up to 3 days. This operational time can be extended with the addition of an OnPower Portable Solar and Battery Management Unit, extending the operational time to up to 7 days without any solar input. Runtime may vary based upon final configurations.

Multiple Power Source Options



Get the flexibility of 3 power options. All solutions include a proprietary battery and power management system and can be powered via bullet-resistant V5 Solar Panels, AC power or a combination of both. When connected to AC power, the battery and power management system act as backup power when fixed power goes down.

Unit Configurations Options

Power Capability	Capacity	Operational Runtime Examples
5V @ up to 4.5A	1.5KW	Up to 7.5 days drawing 5W
12V @ up to 4A	1.5KW	Up to 4.5 days drawing 12W
24V @ up to 2.5A	1.5KW	Up to 2 days drawing 24W
POE	1.5KW	Up to 2.5 days drawing POE+
2x POE	1.5KW	Up to 2 days drawing 2POE+

Physical Specs

Enclosure.....IP66
 Dimensions.....14.95" L x 12.95" W x 7.1" D
 Weight.....26 lbs.
 Operating temperature.....-10~70C
 Storage temperature.....-40~85C

Safety Features

Over Voltage Protection.....Yes
 Over Current Protection.....Yes
 Under Voltage Protection.....Yes
 Under Current Protection.....Yes
 Leakage and short circuit protection.....Yes
 Certifications.....UN 38.3