



## V5 Portable Power Unit (V5 PPU)

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

V5 Systems' Portable Power unit generates on-going power through advanced solar technology. It is contained within a lightweight, ruggedized enclosure for outdoor deployments. This advanced device can extend the operational time on any hardware device or be used as backup power.

#### 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

Where to buy?  
Visit our website:  
[www.v5systems.us](http://www.v5systems.us)

Questions?  
[sales@v5systems.us](mailto:sales@v5systems.us)  
1.844.604.7350

### RAPID, PORTABLE POWER DEPLOYABLE IN MINUTES

-  **100% Self-Powered**
  - Get on-going power with a combination of proprietary bullet-resistant V5 solar panels, battery and power management system
-  **Truly Portable**
  - Compact form factor, weighing less than 25 lbs.
  - Can be mounted outdoors on any standard pole
-  **Ruggedized Enclosure**
  - Rated IP67
  - Protection against solid objects
  - Sealed tight from dust; capable of withstanding water immersion between 15 cm and 1 meter for 30 minutes
-  **Superior Solar Power**
  - Absorbs power even in low light conditions caused by vegetation blockage, bird droppings, clouds, certain rainy and snowy conditions
  - High power output allows V5 solar panels to deliver up to 2x the power in comparison to traditional solar panels
  - Up to three times lighter in weight in comparison to traditional solar panels
  - Patented bullet-resistant technology that prevents the panel from going out of operation if penetrated by a sharp object
-  **Power Virtually Any Device**
  - Designed to power IoT and OTG (On The Go) devices such as cameras, weather sensors, agricultural sensors, network switches, communication devices, computing platforms, measuring instruments, aeronautical and marine equipment, remote emergency and data aggregation sensors, outdoor signage and more
-  **Battery & Power Management**
  - Efficient power delivery with multiple integrated battery subsystems
  - Optimized power delivery provides up to 20% longer battery lifecycle compared to traditional lead acid solutions
  - Protection against over current, over voltage, under current, under voltage, short circuit and leakage

## V5 PPU Unit Configurations

Part Number	Voltage	Capacity
VPPUN5V	5V	1.5KW
VPPUN12V	12V	1.5KW
VPPUN24V	24V	1.5KW
VPPUNPOE	48V(POE)	1.5KW
VPPUN2POE	2x POE	1.5KW
VPPUN5V12V	5V + 12V	1.5KW
VPPUN5V24V	5V + 24V	1.5KW
VPPUN5VPOE	5V + POE	1.5KW

### Physical Specs

Enclosure.....IP67  
 Dimensions.....12.5" L x 10.5" W x 8" D  
 Weight.....23 lbs.  
 Operating temperature.....0~70C  
 Storage temperature.....-20~105C

### 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

### Solar Panel Options

Solar panel 1.0  
 Power output.....Up to 85W  
 Dimensions.....22.75" W x 38.5" L x 0.25" D  
 Weight.....8.25 lbs.

Solar panel 2.0  
 Power output.....Up to 174W  
 Dimensions.....38.75" W x 42" L x 0.25" D  
 Weight.....12.5 lbs.