



V5 Portable Power Unit (V5 PPU)

RAPID, PORTABLE POWER DEPLOYABLE IN MINUTES



100% Self-powered

- Get ongoing self-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



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



Ruggedized Enclosure

- IP67-rated
- 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 prevents the panel from going out of operation if penetrated by a sharp object



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

OFF-THE-GRID POWER FOR VIRTUALLY ANY HARDWARE DEVICE

V5 Systems' Portable Power Unit generates ongoing 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

Questions?
sales@v5systems.us
1.844.604.7350

V5 PPU Unit Configurations

Part Number	Power Capability	Capacity	Operational Runtime Examples
VPPUN5V	5V @ up to 4.5A	1.5KW	Up to 7.5 days drawing 5W
VPPUN12V	12V @ up to 4A	1.5KW	Up to 4.5 days drawing 12W
VPPUN24V	24V @ up to 2.5A	1.5KW	Up to 2 days drawing 24W
VPPUNPOE	PoE+	1.5KW	Up to 2.5 days drawing PoE+
VPPUN2POE	2x PoE+	1.5KW	Up to 2 days drawing 2PoE+
VPPUN5V12V	5V @ up to 4A + 12V @ up to 2A	1.5KW	Up to 3 days drawing 17W
VPPUN5V24V	5V @ up to 1.5A + 24V @ up to 1.5A	1.5KW	Up to 2 days drawing 29W
VPPUN5VPOE	5V @ up to 4A + PoE+	1.5KW	Up to 2 days drawing 5W + PoE+
VDPPUN2POE	2x PoE+	1.5KW + 1.5KW	Up to 2 days drawing 2PoE+
VDPPUN4POE	4x PoE+	1.5KW + 1.5KW	Up to 2 days drawing (2 PoE+) + (2PoE+)

Physical Specs

PPU

Enclosure.....IP67
Dimensions.....14.95" L x 12.95" W x 7.1" D
Weight.....26 lbs.
Operating temperature.....0~70C
Storage temperature.....-20~105C

Double PPU

Enclosure.....IP67
Dimensions.....16.95" L x 14.95" W x 8.24" D
Weight.....48.6 lbs.
Operating temperature.....0~70C
Storage temperature.....-20~105C

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.

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