# UPSPro® 24/48V 900W

## DATA SHEET

## Outdoor Remote Power Systems

## Features

- **Configurable as 24V or 48VDC System**
- **Weatherproof, UV resistant, outdoor enclosure**
- **Powered from AC mains power and/or Solar**
- **Interior space for customer electronics**
- **Ground Mounting**
- **Isolates Customer Equipment from Power Line Surges**
- **High Quality GEL Sealed Lead Acid Batteries**
- **Advanced battery charge controller protects against overcharge and over discharge**

## Applications

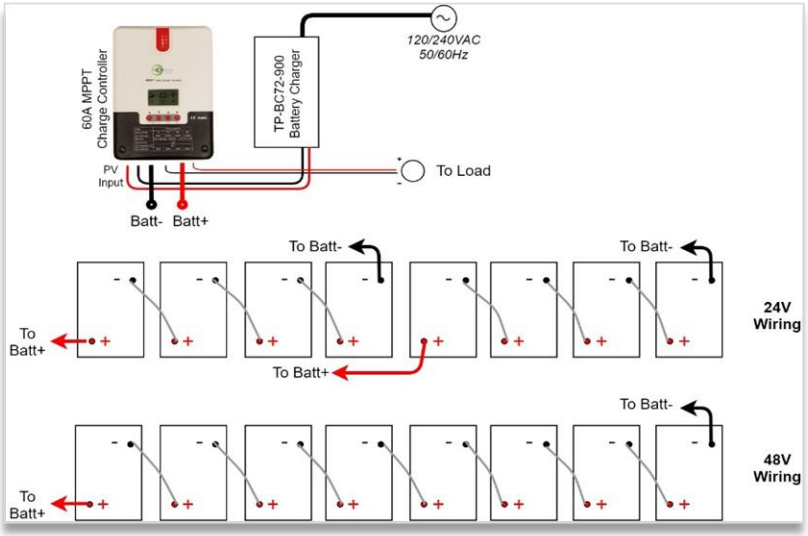
- **Wireless Base Stations and Clients**
- **Wireless Bridge and Repeaters**
- **Mission critical outdoor power**
- **Surveillance Cameras**
- **Remote Sensors**
- **Backup Power Systems**

## Description

The UPSPro® AL48-900 outdoor backup power system is designed for applications that require a flexible backup power source in order to maintain uninterrupted service to customers. The enclosure is powered from 120/240VAC. It is also solar ready (requires blocking diode with most panels) so a solar panel can be added as an alternate power source or to extend backup time. Features include 24V/48VDC configurable output, an advanced 60A MPPT battery charge controller to protect against over-charging or over-discharging of the valve regulated sealed lead acid GEL batteries. The ground mount aluminum enclosure has multiple ports for CAT5 cable, antenna cables/connectors or other cabling. They are vented to prevent residual buildup of hydrogen gas.

There is generous space inside the enclosures for customer electronics such as controllers, wireless AP or CPE cards, sensors, inverters, etc. There are mounting struts incorporated inside the enclosure to be able to mount DIN Rails or a flat metal or plywood plate. Equipment runs on battery power which isolates it from power line surges which is a main cause of outdoor equipment failure.

A typical high power wireless access point with average power consumption of 8W will run 40 hours on a 52Ah battery at room temperature or 28 hours at -20 deg C.



# UPSPro® 24/48V 900W

## Specifications

| | UPS-AL48-180-900 |
|---|---|
| Battery Voltage (DC) | 24V or 48V (customer configure) |
| Input Voltage (AC) | 120/240VAC, 50/60Hz, 5A Max. |
| Capacities (Amp Hr) | 24V 360Ah, 48V 180Ah |
| Avail Storage Capacity (Watt Hr) | 8640Wh |
| Max Output Power | 900W |
| Suggested Maximum Load | 750W |
| Maximum Instantaneous Load | 20A 500msec |
| Battery Type | Valve Regulated Sealed Lead Acid / GEL |
| Battery Life | 5 years |
| Battery Cable Fuse | 6 x 32mm Ceramic 30A 250V |
| Controller Type | 60A MPPT Solar Controller with Status Display and 20A Load with on/off switch |
| Maximum Solar Panel Size | 1600W @ 24V Battery, 3200W @ 48V Battery |
| Controller Display Status | Battery Voltage, Charging Voltage, Charging Current, Load Current, Temperature |
| Overcharge Protection | 28.8V @ 24V Battery, 57.6V @ 48V Battery |
| Over-discharge protection | 22V @ 24V Battery, 44V @ 48V Battery |
| Over-discharge recovery voltage | 25.2V @ 24V Battery, 50.4 @ 48V Battery |
| Controller Self Consumption | <1.2W |
| Enclosure Type | Ground Mount, Key Lock, Aluminum Diamond Plate |
| Enclosure External Size | 68” x 19” x 25” (1732 x 483 x 635mm) |
| Operating Temperature | -40°C to +65°C (-40°F to 149°F) |
| System Weight (without batteries) | 78lbs (35kg) |
| Battery Weight | 8 x 68lbs (31kg) |
| Certifications | Individual components used have CE Certifications. Batteries have CE and UL. |
| Warranty | 3 Years |

## *System Ordering:*

***UPS-AL48-180-900*** 24V/48V 900W Backup Power System

***To calculate run time:***

Battery Capacity (Ah) / 2 / Load Amps = Estimated Run Time in Hours ---OR---
Storage Capacity (Wh) / 2 / Load Watts = Estimated Run Time in Hours.

Example: Estimated load = 25W and Storage Capacity is 432Wh. 432 / 2 / 25 = 8.64hrs run time.

*Note: We divide by 2 because we don’t want to discharge the battery more than 50% in order to extend its life.*

## For further information contact:

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RoHS compliant

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