



**UPSPro® Series**

## DATA SHEET

### Outdoor UPS Systems

#### Features

- Weatherproof, UV resistant, outdoor enclosures
- Powered over CAT5 cable using POE and/or Solar
- Generous interior space for customer electronics
- Wall or Pole Mounting
- Isolates Customer Equipment from Power Line Surges
- High Quality AGM VR Sealed Lead Acid Batteries
- Advanced battery charge controller protects against overcharge and over discharge



*UPSPro®  
Die Cast Enclosure*

#### Applications

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



*UPSPro®  
Polycarbonate Enclosure*

#### Description

The UPSPro® series outdoor enclosures are designed for applications that require a backup power source in order to maintain uninterrupted service to customers. The enclosure is powered over a CAT5 network cable via Power over Ethernet (PoE) using a PoE Supply/Inserter (included).

Features include an advanced battery charge controller to protect against over-charging or over-discharging of the valve regulated sealed lead acid AGM batteries. Enclosures have multiple ports for CAT5 cable, antenna cables/connectors or other cabling. They are vented to prevent residual buildup of hydrogen gas.

There is some space inside the enclosures for customer electronics such as controllers, wireless AP or CPE cards, sensors, inverters, etc. Equipment runs on battery power which isolates it from power line surges which is a main cause of outdoor equipment failure.

Models are equipped with a Solar Ready controller so they can also be powered using solar panels in addition to or instead of the PoE power supply.

Multiple configurations are available for 12V or 24V systems with various battery storage capacities.

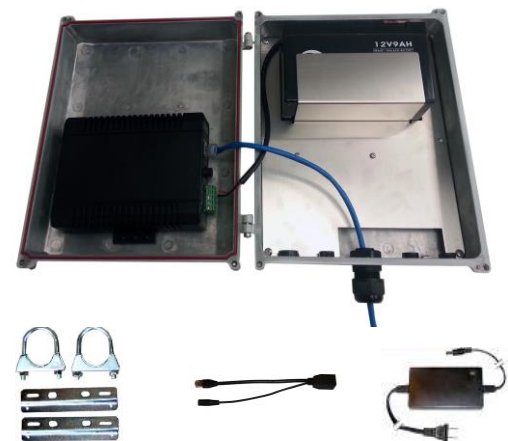
A typical 250mW wireless access point with average power consumption of 3.5W will run 24 hours on a 8.5Ah battery at room temperature or 16 hours at -20 deg C.

## Specifications

	UPS-DC12xx	UPS-PL12xx	UPS-PL24xxHP
<b>POE Output Voltages Available (DC)</b>	24V, 48V		24V and 48V
<b>Available Capacities (Amp Hours)</b>	8.5Ah	17Ah, 34Ah	8.5Ah, 17Ah
<b>Total Output Power</b>	30W	30W	60W
<b>Maximum POE Input Voltage</b>	57V		
<b>Battery Voltage (DC)</b>	12V		24V
<b>Battery Type</b>	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)		
<b>Battery Life</b>	5 Years		
<b>Controller Type</b>	Dual Input Solar/POE, PWM, 12V 10A Max Solar Panel Size 135W		Dual Input Solar/POE, PWM, 24V 10A Max Solar Panel Size 270W
<b>Overcharge Protection</b>	14.4V		28.6V
<b>Over-discharge protection</b>	11.0V		22.0V
<b>Over-discharge recovery voltage</b>	12.0V		24.0V
<b>Controller Self Consumption</b>	<0.5W		
<b>Charging POE Power Supply</b>	120/220VAC In ; 24-36VDC 90W min Out		120/220VAC In ; 36-48VDC 90W Min Out
<b>Enclosure Type</b>	Die Cast Aluminum	Polycarbonate	
<b>Enclosure External Size</b>	11 x 8.5 x 3.5" (279 x 216 x 89mm)	17.5 x 12.5 x 6" (445 x 318 x 152mm)	
<b>Enclosure Internal Size</b>	10 x 7.75 x 3" (254 x 197 x 76mm)	14 x 10 x 5" (356 x 254 x 127mm)	
<b>Space available for Customer Electronics</b>	7.75 x 5 x 1.25" (197 x 127 x 32mm)	3 x 5 x 3" (76 x 127 x 76mm)	
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)		
<b>System Weight (without batteries)</b>	4lb (1.8kg)		
<b>Battery Weight (each)</b>	5.5lb (2.5kg)		
<b>Warranty</b>	3 Years		



UPSPRO® Polycarbonate Enclosure System



UPSPRO® Die Cast Enclosure System

**System Ordering:**

Model #	Enclosure Type	Battery Voltage	POE Output Voltage	Battery Capacity	Solar Ready Max Panel Size
UPS-DC1224-9	Die Cast	12VDC	24VDC	9Ah	120W
UPS-DC1248-9	Die Cast	12VDC	48VDC	9Ah	120W
UPS-PL1224-18	Polycarbonate	12VDC	24VDC	18Ah	120W
UPS-PL1248-18	Polycarbonate	12VDC	48VDC	18Ah	120W
UPS-PL1224-36	Polycarbonate	12VDC	24VDC	36Ah	120W
UPS-PL1248-36	Polycarbonate	12VDC	48VDC	36Ah	120W
UPS-PL2424-18	Polycarbonate	24VDC	24VDC	18Ah	240W
UPS-PL2424-36	Polycarbonate	24VDC	24VDC	36Ah	240W
UPS-PL2448-18	Polycarbonate	24VDC	48VDC	18Ah	240W
UPS-PL2448-36	Polycarbonate	24VDC	48VDC	36Ah	240W

**Part Number Definition:**

**UPS-DC 12 48-9**

Enclosure Type

DC - Die Cast Aluminum  
PL - Polycarbonate Plastic

Battery Voltage

12 - 12V  
24 - 24V

POE Out Voltage

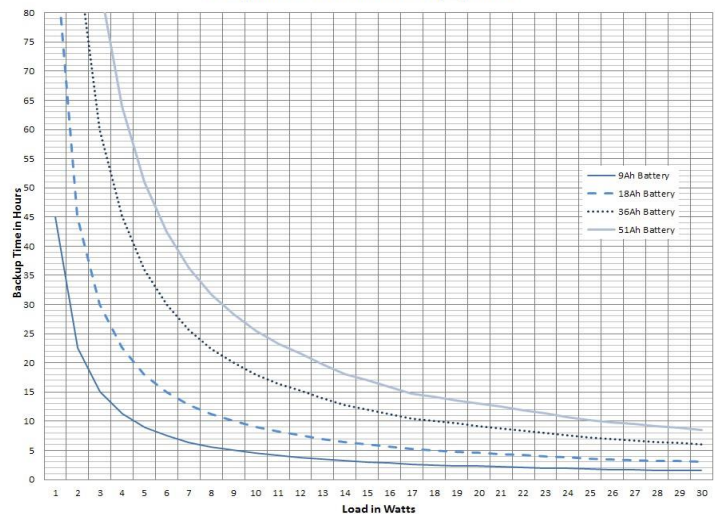
24 - 24V  
48 - 48V

Storage Capacity

9 - 9Ah  
18 - 18Ah  
36 - 36Ah



**UPSPro™**  
Backup Time vs Load - Various Battery Capacities



**For further information contact:**

Tyconsystems.com



14641 S 800 W Suite A  
Bluffdale, UT 84065  
PH: 801-432-0003  
FAX: 801-618-4220