



**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.

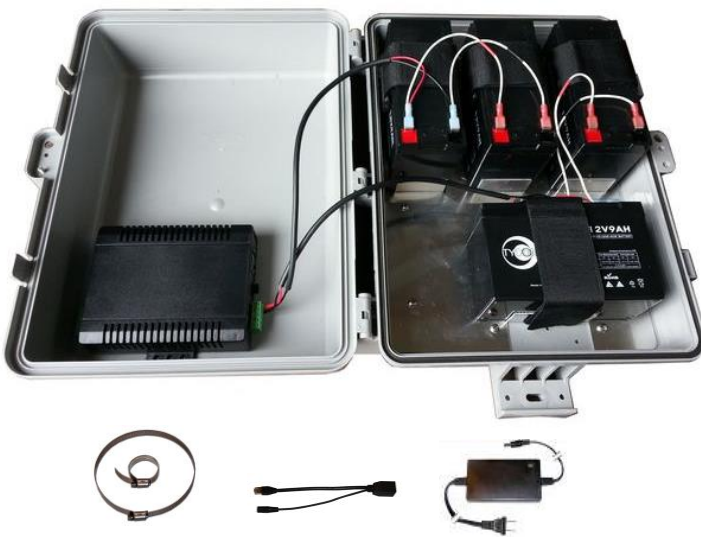
Models are equipped with a Solar Ready controller so they can also be powered using solar panels in addition to or instead of the PoE power supply.

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

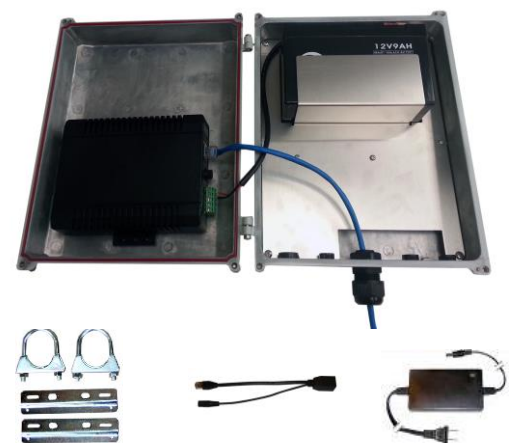
A typical 250mW wireless access point with average power consumption of 3.5W will run 24 hours on a 8.5Ah battery at room temperature or 16 hours at -20 deg C.

## 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 8A Max Solar Panel Size 135W		Dual Input Solar/POE, PWM, 24V 8A 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 ; 24VDC 60W Out		120/220VAC In ; 48VDC 60W 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

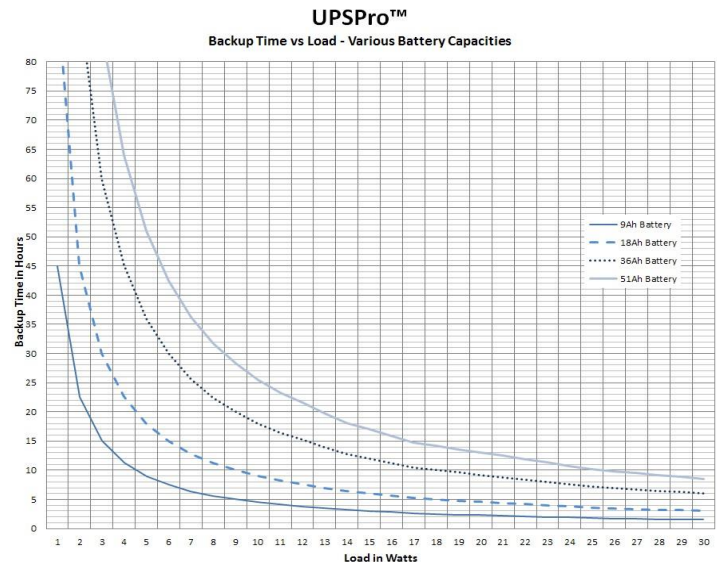
**System Ordering:**

Model #	Enclosure Type	Battery Voltage	POE Output Voltage	Battery Capacity	Solar Ready up to 135W Panel
UPS-DC1212-9	Die Cast	12VDC	12VDC	8.5Ah	YES
UPS-DC1218-9	Die Cast	12VDC	18VDC	8.5Ah	YES
UPS-DC1224-9	Die Cast	12VDC	24VDC	8.5Ah	YES
UPS-DC1248-9	Die Cast	12VDC	48VDC	8.5Ah	YES
UPS-PL1212-18	Polycarbonate	12VDC	12VDC	17Ah	YES
UPS-PL1218-18	Polycarbonate	12VDC	18VDC	17Ah	YES
UPS-PL1224-18	Polycarbonate	12VDC	24VDC	17Ah	YES
UPS-PL1248-18	Polycarbonate	12VDC	48VDC	17Ah	YES
UPS-PL1212-36	Polycarbonate	12VDC	12VDC	34Ah	YES
UPS-PL1218-36	Polycarbonate	12VDC	18VDC	34Ah	YES
UPS-PL1224-36	Polycarbonate	12VDC	24VDC	34Ah	YES
UPS-PL1248-36	Polycarbonate	12VDC	48VDC	34Ah	YES
UPS-PL2424HP-9	Polycarbonate	24VDC	24VDC	8.5Ah	YES
UPS-PL2424HP-18	Polycarbonate	24VDC	24VDC	17Ah	YES
UPS-PL2448HP-9	Polycarbonate	24VDC	48VDC	8.5Ah	YES
UPS-PL2448HP-18	Polycarbonate	24VDC	48VDC	17Ah	YES

**Part Number Definition:**

**UPS-DC 12 48-9**

<u>Enclosure Type</u>	<u>Battery Voltage</u>	<u>POE Out Voltage</u>	<u>Storage Capacity</u>
DC - Die Cast Aluminum	12 - 12V	12 - 12V	9 - 8.5Ah
PL - Polycarbonate Plastic	24 - 24V	18 - 18V	18 - 17Ah
		24 - 24V	36 - 34Ah
		48 - 48V	



**For further information contact:**

Tyconsystems.com



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