TYCON Solar™

UPSPro® Series

DATA SHEET

Outdoor UPS Systems

UPSPro®
Die Cast Enclosure

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**

Applications

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

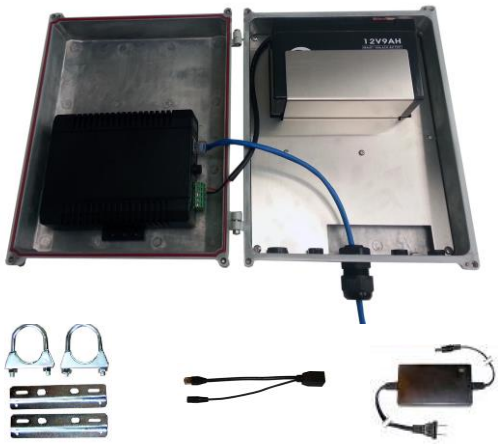
Multiple configurations are available for 12V or 24V systems with various battery storage capacities.

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

UPSPro® Polycarbonate Enclosure System



UPSPro® Die Cast Enclosure System

UPSPro®Series

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:

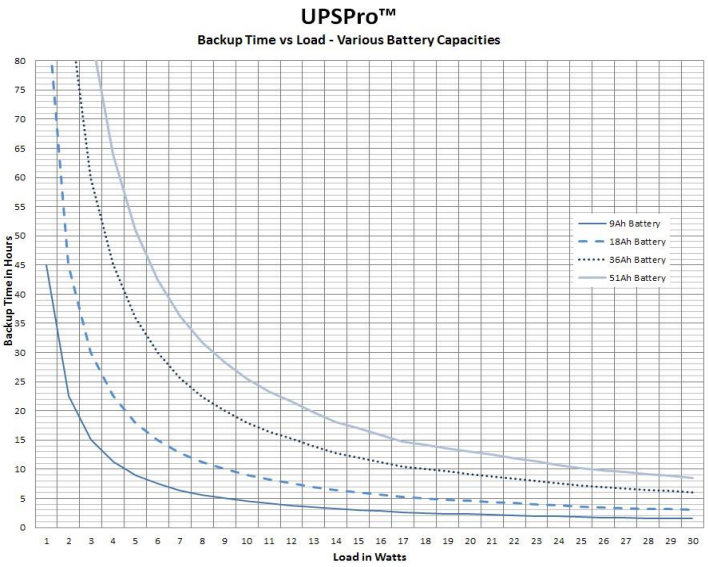
UPS-DC 12 48-9

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



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RoHS compliant

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