

### Outdoor UPS Systems with SolarAssist™

#### Features

- Weatherproof Nema 4X / IP65, UV resistant, outdoor enclosures
- Powered over CAT5 cable using POE and/or Solar
- Integrated High Efficiency Solar Panels
- 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™ with Solar Assist™  
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™ with Solar Assist™  
Polycarbonate Enclosure

#### Description

The UPSPro™ SA series outdoor enclosures are designed for applications that require a backup power source in order to maintain uninterrupted service to customers or a low power primary power source for a remote location. The enclosure is powered over a CAT5 network cable via Power Over Ethernet (POE) using a POE Supply/Inserter (included) and/or using the integrated 5W or 10W high efficiency solar panel. The integrated solar panel mounts directly to the enclosure cover for compactness and ease of maintenance. The angle of the solar panel is easily adjustable with a novel tilt bracket system.

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.

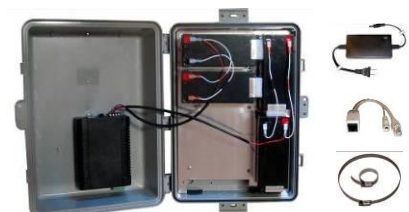
There is a generous amount of space reserved inside the enclosures for customer electronics such as controllers, wireless AP or CPE cards, sensors, inverters, etc. Equipment runs on battery power which isolates it from power line surges which is a main cause of outdoor equipment failure.

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 26 hours on a 9Ah battery at room temperature or 17 hours at -20 deg C. SolarAssist™ will extend the backup time.



UPS Pro™ Die Cast Enclosure System



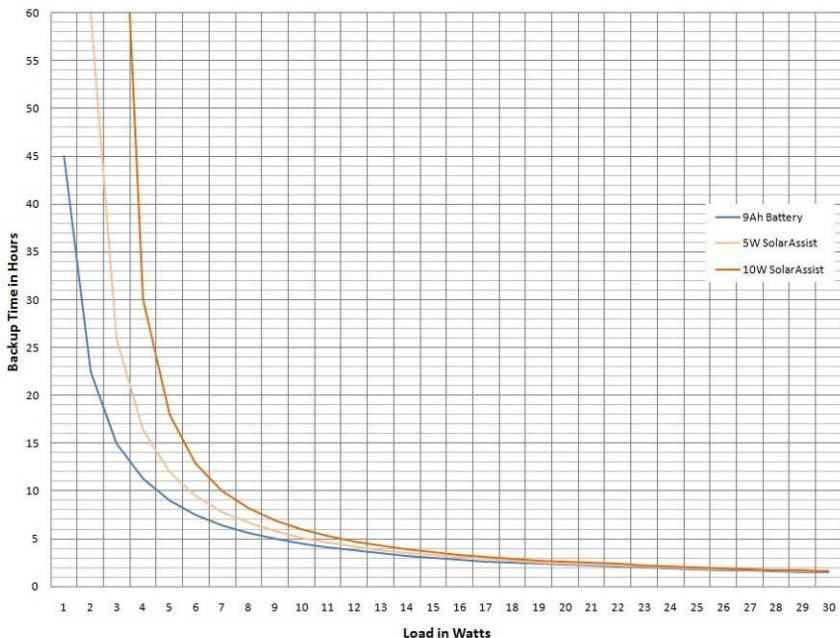
UPS Pro™ Polycarbonate Enclosure System

## Specifications

	UPSDC12xx-9-xx	UPSPL12xx-xx-10
<b>POE Output Voltages Available (DC)</b>	12V(unregulated) 18V, 24V, 48V (regulated)	
<b>Available Capacities (Amp Hours)</b>	9Ah	18Ah, 36Ah
<b>Available Integrated Solar Panel</b>	5W or 10W	10W
<b>Maximum POE Input Voltage</b>	57V	
<b>Battery Voltage (DC)</b>	12V	
<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 5A	
<b>Overcharge Protection</b>	14.4V	
<b>Over-discharge protection</b>	11.0V	
<b>Over-discharge recovery voltage</b>	12.0V	
<b>Controller Self Consumption</b>	<0.5W	
<b>Charging POE Power Supply</b>	18VDC 14W	24VDC 60W
<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)	7 x 7 x 4" (177 x 177 x 102mm)
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)	
<b>System Weight (without batteries)</b>	9lb (4kg)	
<b>Battery Weight (each)</b>	5.5lb (2.5kg)	

### UPSPro™

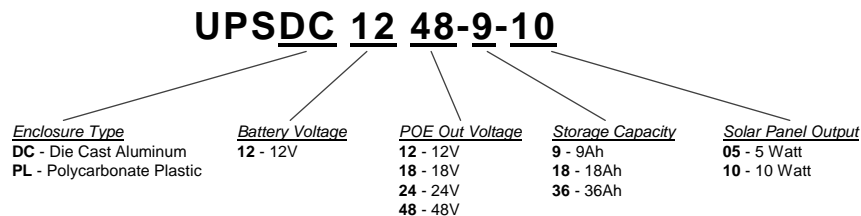
Backup Time vs Load - Adding SolarAssist™



UPSPro™ with Solar Assist™

**System Ordering:**

Model #	Enclosure Type	Battery Voltage	POE Output Voltage	Battery Capacity	Integrated Solar Panel Size
UPSDC1212-9-05	Die Cast	12VDC	12VDC	9Ah	5W
UPSDC1218-9-05	Die Cast	12VDC	18VDC	9Ah	5W
UPSDC1224-9-05	Die Cast	12VDC	24VDC	9Ah	5W
UPSDC1248-9-05	Die Cast	12VDC	48VDC	9Ah	5W
UPSDC1212-9-10	Die Cast	12VDC	12VDC	9Ah	10W
UPSDC1218-9-10	Die Cast	12VDC	18VDC	9Ah	10W
UPSDC1224-9-10	Die Cast	12VDC	24VDC	9Ah	10W
UPSDC1248-9-10	Die Cast	12VDC	48VDC	9Ah	10W
UPSPL1212-18-10	Polycarbonate	12VDC	12VDC	18Ah	10W
UPSPL1218-18-10	Polycarbonate	12VDC	18VDC	18Ah	10W
UPSPL1224-18-10	Polycarbonate	12VDC	24VDC	18Ah	10W
UPSPL1248-18-10	Polycarbonate	12VDC	48VDC	18Ah	10W
UPSPL1212-36-10	Polycarbonate	12VDC	12VDC	36Ah	10W
UPSPL1218-36-10	Polycarbonate	12VDC	18VDC	36Ah	10W
UPSPL1224-36-10	Polycarbonate	12VDC	24VDC	36Ah	10W
UPSPL1248-36-10	Polycarbonate	12VDC	48VDC	36Ah	10W

**Part Number Definition:****Notes:**

- All shipments F.O.B. Draper, UT 84020
- Tycon Power Systems Outdoor UPS carry a 2 year limited warranty

**For further information contact:**

[Tyconpower.com](http://Tyconpower.com)



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