

## UPSPro® 600W Outdoor UPS System

### Features

- Configurable as 12V or 24VDC System
- Weatherproof, UV resistant, Aluminum Outdoor Enclosure
- Powered from AC Mains Power and/or Solar
- Interior Space for Customer Electronics
- Pole/Wall Mounting
- Isolates Connected Equipment from Power Line Surges
- High Quality Maintenance Free AGM Batteries
- Advanced Battery Charge Controller Protects Against Overcharge and Over Discharge



### Applications

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

### Description

The UPSPro® UPL12/24-xxx-600 outdoor backup power systems are 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 12VDC/24VDC configurable output, an advanced 60A MPPT battery charge controller to protect against over-charging or over-discharging of the valve regulated sealed lead acid AGM batteries. The pole/wall mount aluminum enclosure has multiple ports for CAT5 cable, antenna cables/connectors or other cabling. They have thermostatically controlled power ventilation which turns on automatically when inside temperature exceeds 45C.

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.



Aluminum Enclosure



12V 52Ah Battery



600W Battery Charger



60A MPPT Charge Controller

## Specifications

	UPL12/24-100-600	UPL12/24-200-600
<b>Battery Voltage (DC)</b>	12VDC or 24VDC (customer configurable)	
<b>Input Voltage (AC)</b>	120/240VAC, 50/60Hz, 5A Max.	
<b>Capacities (Amp Hr)</b>	100Ah	200Ah
<b>Avail Storage Capacity (Watt Hr)</b>	1200Whr	2400Whr
<b>Max Output Power</b>	600W	
<b>Suggested Maximum Load</b>	450W	
<b>Maximum Instantaneous Load</b>	30A 500msec	
<b>Battery Type</b>	Maintenance Free, Valve Regulated, Sealed Lead Acid, AGM	
<b>Battery Life</b>	5+ years	
<b>Battery Cable Fuse</b>	6x32mm 30A 250V Ceramic Fuse	
<b>Controller Type</b>	60A MPPT Solar Controller with Status Display and 30A Load with on/off switch	
<b>Maximum Solar Panel Size</b>	780W @ 12V Battery Config, 1560W @ 24V Battery Config	
<b>Controller Display Status</b>	Battery Voltage, Charging Voltage, Charging Current, Load Current, Temperature	
<b>Bulk Charge</b>	14.4V / 28.8V	
<b>Float Charge</b>	13.8V / 27.5V	
<b>Over-discharge protection</b>	11V / 22V	
<b>Over-discharge recovery voltage</b>	12.6V / 25.2V	
<b>Controller Self Consumption</b>	<1W	
<b>Enclosure Type</b>	Pole/Wall Mount Powder Coat Aluminum	
<b>Enclosure Size</b>	21 x 14 x 15" (533 x 356 x 381mm)	
<b>Operating Temperature</b>	-40°C to +65°C (-40°F to 149°F)	
<b>System Weight (without batteries)</b>	26lbs (12kg)	
<b>Battery Weight</b>	2 x 40lbs (18kg)	4 x 40lbs (18kg)
<b>Certifications</b>	Individual components used have CE Certifications.	
<b>Warranty</b>	3 Years	

### System Ordering:

**UPL12/24-100-600** 12/24V 600W Backup Power System, 100Ah

**UPL12/24-200-600** 12/24V 600W Backup Power System, 200Ah

#### 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 = 50W and Storage Capacity is 1200Wh.  $1200 / 2 / 50 = 12$ hrs 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:

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

