

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

