UPSPro® 900W Outdoor UPS System

Features

- **48V Charge Controller with 7 Port GigE PoE Switch. Ports can be configured for 802.3at or 24V Passive PoE. Remote Monitoring and Control.**
- **Weatherproof, UV resistant, Aluminum Outdoor Enclosure**
- **Powered from AC Mains Power and/or Solar**
- **Interior Space for Customer Electronics**
- **Ground Mounting**
- **Isolates Connected Equipment from Power Line Surges**
- **High Quality Sealed Pure Lead Carbon AGM Batteries**
- **Advanced Temp Compensated Battery Charge Controller Protects Against Overcharge and Over Discharge**

Applications

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

Description

The UPSPro® UPAL48-xxx-900 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 an advanced temperature compensated battery charge controller with 7 Port GigE PoE switch and built-in remote monitoring and management. The PoE switch ports can be configured as 802.3at or 24V Passive PoE. There is a configurable wire terminal aux port. The ground 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.

Specifications

	UPAL48-720-900	UPAL48-14-900
Battery Voltage (DC)	48VDC	
Input Voltage (AC)	120/240VAC, 50/60Hz, 5A Max.	
Capacities (Amp Hr)	720Ah	1440Ah
Avail Storage Capacity (Watt Hr)	8640Whr	17280Whr
Max Output Power	900W	
Suggested Maximum Load	750W	
Maximum Charge Controller Load	150W 48V outputs, 72W 24V outputs (overall total 222W)	
Battery Type	Valve Regulated, Sealed, Lead Acid, Pure Lead Carbon, AGM	
Battery Life	5+ years	
Battery Cable Fuse	40A 250V Blade Fuse	
Controller Type	20A MPPT Solar Controller with 7 port GigE PoE Switch, 4 ports configurable as 802.3at or 24V Passive, 3 ports configurable as 24/48V Passive PoE, Aux port configurable as 24/48V 2.25A, Managed, Email Alerts, Data Logging, Remote Management	
Maximum Solar Panel Size	960W	
Bulk Charge	57.6V	
Float Charge	55.2V	
Over-discharge protection	44V	
Over-discharge recovery voltage	50.4V	
Controller Self Consumption	<3.5W	
Enclosure Type	Ground Mount, Key Lock, Aluminum Diamond Plate	
Enclosure Size	65" x 18" x 20" (1651 x 457 x 508mm)	65" x 28" x 18" (1651 x 711 x 457mm)
Operating Temperature	-40°C to +65°C (-40°F to 149°F)	
System Weight (without batteries)	78lbs (35kg)	85lbs (39kg)
Battery Weight	4 x 127lbs (58kg)	8 x 127lbs (58kg)
Certifications	Individual components used have CE Certifications.	
Warranty	3 Years	

System Ordering:

UPAL48-720-900   48V 900W Backup Power System, 720Ah
UPAL48-14-900   48V 900W Backup Power System, 1440Ah

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 = 12hrs 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: