UPSPro® STL48-600W

DATA SHEET

600W Outdoor UPS Systems

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, outdoor enclosures**
- **Powered from AC mains power and/or Solar**
- **Interior space for customer electronics**
- **Wall or Pole Mounting**
- **Isolates Customer Equipment from Power Line Surges**
- **High Quality AGM Sealed Lead Acid Batteries**
- **Advanced battery charge controller protects against overcharge and over discharge**

UPSPro® STL48-600W Steel Enclosure

Applications

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

Description

The UPSPro® STL48-200-600 outdoor enclosures 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 (blocking diodes may be required), 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 some space inside the enclosures for customer electronics such as controllers, wireless AP or CPE cards, sensors, inverters, etc. There is a 1U rack mount feature in the enclosure for rack mounting. Equipment runs on battery power which isolates it from power line surges which is a main cause of outdoor equipment failure.

A typical high power wireless access point with average power consumption of 8W will run 40 hours on a 52Ah battery at room temperature or 28 hours at -20 deg C.

UPSPro® STL48-xxx-600W

Specifications

	UPS-STL48-200-600	UPS-STL48-400-600
Battery Voltage (DC)	48V	
Input Voltage (AC)	120/240VAC, 50/60Hz, 5A Max.	
Capacities (Amp Hr)	200	400
Avail Storage Capacity (Watt Hr)	2400Wh	4800Wh
Max Output Power	600W	
Suggested Maximum Load	450W	
Maximum Charge Controller Load	150W 48V outputs, 72W 24V outputs (overall total 222W)	
Battery Type	Valve Regulated Sealed Lead Acid / Absorbed Glass Mat (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	50.4	
Controller Self Consumption	<3.5W	
Enclosure Type	Powder Coated Steel – Pole/Wall Mount – Padlock Closure	
Enclosure External Size	24.1 x 24.1 x 17.5" (612.5 x 612.5 x 445.6mm)	
Enclosure Internal Size	23.9 x 23.9 x 16.1" (608 x 608 x 409.5mm)	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)	
System Weight (without batteries)	75lb (34kg)	
Battery Weight	4 x 37lb (17kg)	8 x 37lb (17kg)
Certifications	Individual components used have CE Certifications. Batteries have CE and UL.	
Warranty	3 Years	

System Ordering:

Model #	Enclosure Type	Battery Voltage	Battery Capacity (@ 12V)	Total Watt Hours Storage Capacity
UPS-STL48-200-600	Powder Coat Steel	48VDC	200Ah	2400
UPS-STL48-400-600	Powder Coat Steel	48VDC	400Ah	4800

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 = 25W and Storage Capacity is 432Wh. 432 / 2 / 25 = 8.64hrs 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:

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