UPSPro® STL-600W

DATA SHEET

600W Outdoor UPS Systems

Features

- **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® STL-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® STL-600W series outdoor enclosures are designed for applications that require a backup power source in order to maintain uninterrupted service to customers. The enclosure is powered from 120/240VAC. It is also solar ready so a solar panel can be added as an alternate power source or to extend backup time. Features include an advanced MPPT 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 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.

Multiple configurations are available for 12V or 24V systems with various battery storage capacities.

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.

UPS-STL24-100-600

UPS-STL24-200-600

UPSPro® STL-600W Series

Specifications

	UPS-STL12-50-600	UPS-STL24-50-600	UPS-STL24-100-600	UPS-STL24-200-600
Battery Voltage (DC)	12V	12V / 24V		
Input Voltage (AC)	120/240VAC, 50/60Hz, 5A Max.			
Capacities (Amp Hr) @ 12V	50Ah (1 battery)	100Ah (2 batteries)	200Ah (4 batteries)	400Ah (8 batteries)
Avail Storage Capacity (Watt Hr)	600Wh	1200Wh	2400Wh	4800Wh
Max Output Power	600W			
Suggested Maximum Load	450W			
Maximum Instantaneous Load	20A 500msec			
Battery Type	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)			
Battery Life	5 Years			
Battery Cable Fuse	6 x 32mm Ceramic 30A 250V			
Controller Type	40A MPPT Solar Controller with Status Display and 20A Load with on/off switch			
Maximum Solar Panel Size	550W @12V Battery, 1100W @ 24V Battery			
Controller Display Status	Battery Voltage, Charging Voltage, Charging Current, Load Current, Temperature			
Overcharge Protection	14.4V @ 12V Battery, 28.8V @ 24V Battery			
Over-discharge protection	11V @ 12V Battery, 22V @ 24V Battery			
Over-discharge recovery voltage	12.6V @ 12V Battery, 25.2V @ 24V Battery			
Controller Self Consumption	<1W			
Enclosure Type	Powder Coated Steel – Pole/Wall Mount			
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 (each)	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-STL12-50-600	Powder Coat Steel	12VDC	50Ah	600
UPS-STL24-50-600	Powder Coat Steel	12V / 24VDC	100Ah	1200
UPS-STL24-100-600	Powder Coat Steel	12V / 24VDC	200Ah	2400
UPS-STL24-200-600	Powder Coat Steel	12V / 24VDC	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:

Tyconsystems.com

RoHS compliant

TYCON Solar™
14641 S 800 W Suite A
Bluffdale, UT 84065
PH: 801-432-0003
FAX: 801-618-4220