UPSPro® STL12/24

DATA SHEET

600W Outdoor UPS Systems

Features

- **Weatherproof (IP65), 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® STL12/24-600W

Applications

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

Description

The UPSPro® STL12/24-600W 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 manageable MPPT battery charge controller to protect against over-charging or over-discharging of the valve regulated sealed lead acid AGM batteries. The charge controller displays battery level, charging current, temperature and load current on its embedded LCD display. Charging parameters can be customized in the field if required.

Enclosure shows 4 batteries with room for four more on the top row for the bigger powered systems.

Enclosures have multiple ports for CAT5 cable, antenna cables/connectors or other cabling.

They have a 12/24VDC thermostatically controlled ventilation fan which turns on automatically when the inside temperature exceeds 40°C.

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.

Systems can be configured for 12V or 24V for added flexibility. Various battery storage capacities are available.

These systems are ideal for powering security cameras 24/7 from lighting systems where grid power is only available at night. Additional AC inputs such as 277VAC or 480VAC can be adapted by using standard AC transformers. Consult you electrician.

UPSPro® STL12/24-600W Series

Specifications

	UPS-STL12/24-100-600	UPS-STL12/24-200-600	UPS-STL12/24-400-600
Battery Voltage (DC)	12/24VDC		
Input Voltage (AC)	120/240VAC, 50/60Hz, 5A Max.		
Capacities (Amp Hr) @ 12V	100Ah (2 batteries)	200Ah (4 batteries)	400Ah (8 batteries)
Storage Capacity (Watt Hr)	1200Wh	2400Wh	4800Wh
Max Output Power	600W		
Suggested Maximum Load	240W @ 12VDC or 450W @ 24VDC		
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	520W @ 12V Battery Config, 1040W @ 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 / 27.6V		
Over-discharge protection	11V / 22V		
Over-discharge recovery voltage	12.6V / 25.2V		
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	Total Power
UPS-STL12/24-100-600	Powder Coat Steel	12/24VDC	100Ah	1200	600W
UPS-STL12/24-200-600	Powder Coat Steel	12/24VDC	200Ah	2400	600W
UPS-STL12/24-400-600	Powder Coat Steel	12/24VDC	400Ah	4800	600W

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:

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RoHS compliant

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