



### 600W Outdoor UPS Systems

#### Features

- Configurable as 12V, 24V or 48VDC System
- 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
- Surveillance Cameras
- Wireless Bridge and Repeaters
- Remote Sensors
- Mission critical outdoor power
- Backup Power Systems

#### Description

The UPSPro® STL48-600W series 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 so a solar panel can be added as an alternate power source or to extend backup time. Features include 12V/24V/48VDC configurable output, an advanced 60A MPPT battery charge controller to protect against overcharging 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.

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-STL48-50-600



UPS-STL48-100-600

## Specifications

	UPS-STL48-50-600	UPS-STL48-100-600
<b>Battery Voltage (DC)</b>	12V / 24V /48V	
<b>Input Voltage (AC)</b>	120/240VAC, 50/60Hz, 5A Max.	
<b>Capacities (Amp Hr)</b>	12V 200Ah, 24V 100Ah, 48V 50Ah	12V 400Ah, 24V 200Ah, 48V 200Ah
<b>Avail Storage Capacity (Watt Hr)</b>	2400Wh	4800Wh
<b>Max Output Power</b>	600W	
<b>Suggested Maximum Load</b>	450W	
<b>Maximum Instantaneous Load</b>	20A 500msec	
<b>Battery Type</b>	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)	
<b>Battery Life</b>	5 Years	
<b>Battery Cable Fuse</b>	6 x 32mm Ceramic 30A 250V	
<b>Controller Type</b>	60A MPPT Solar Controller with Status Display and 20A Load with on/off switch	
<b>Maximum Solar Panel Size</b>	800W @12V Battery, 1600W @ 24V Battery, 3200W @ 48V Battery	
<b>Controller Display Status</b>	Battery Voltage, Charging Voltage, Charging Current, Load Current, Temperature	
<b>Overcharge Protection</b>	14.4V @ 12V Battery, 28.8V @ 24V Battery, 57.6V @ 48V Battery	
<b>Over-discharge protection</b>	11V @ 12V Battery, 22V @ 24V Battery, 44V @ 48V Battery	
<b>Over-discharge recovery voltage</b>	12.6V @ 12V Battery, 25.2V @ 24V Battery, 50.4 @ 48V Battery	
<b>Controller Self Consumption</b>	<1.2W	
<b>Enclosure Type</b>	Powder Coated Steel – Pole/Wall Mount	
<b>Enclosure External Size</b>	24.1 x 24.1 x 17.5" (612.5 x 612.5 x 445.6mm)	
<b>Enclosure Internal Size</b>	23.9 x 23.9 x 16.1" (608 x 608 x 409.5mm)	
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)	
<b>System Weight (without batteries)</b>	75lb (34kg)	
<b>Battery Weight</b>	4 x 37lb (17kg)	8 x 37lb (17kg)
<b>Certifications</b>	Individual components used have CE Certifications. Batteries have CE and UL.	
<b>Warranty</b>	3 Years	

## System Ordering:

Model #	Enclosure Type	Battery Voltage	Battery Capacity (@ 12V)	Total Watt Hours Storage Capacity
UPS-STL48-50-600	Powder Coat Steel	12V / 24V / 48VDC	400Ah	2400
UPS-STL48-100-600	Powder Coat Steel	12V / 24V / 48VDC	800Ah	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.  $432 / 2 / 25 = 8.64$ 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:

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