

### **Outdoor UPS System**

#### **Features**

- **192W Maximum Continuous Output**
- **7 Switched 24VDC POE Ports, 1 Data Uplink Port**
- **Designed Specifically for Ubiquiti and Mikrotik Applications**
- **Isolates Equipment from Power Line Surges**
- **High Performance GEL Sealed Lead Acid Batteries**
- **Choice of 51Ah (1200VA) or 102Ah (2400VA)**
- **Weatherproof Nema 4X / IP65, UV Resistant, Locking Outdoor Enclosure**

#### **Applications**

- **Ubiquiti Base Stations**
- **Security Applications**
- **Mikrotik Base Stations**
- **24VDC POE Equipment**

#### **Description**

The UPSPro™ UBNT outdoor UPS system is designed specifically for 24VDC POE equipment like that from Ubiquiti, Mikrotik, Tranzeo, etc. The system provides up to 192W of continuous regulated 24VDC power on 7 switched power over Ethernet (POE) ports. There is also a data uplink port if an external data connection is desired. The system is powered from 120/240VAC grid power.

The proprietary charge controller maintains the proper charge on the batteries to prevent over charge and controls the load to prevent over-discharge.

The weatherproof enclosure with security locks has multiple ports for CAT5 cable, solar and other cabling. It is vented to prevent residual buildup of any hydrogen gas. The included bracket kit allows for the enclosure to be pole mounted or wall mounted. The systems are rated to operate over a wide temperature range of -30C to +60C.

There are 3 system configurations available: 51Ah Battery capacity, 102Ah battery capacity and also a system without batteries for those customers who want to use their own sealed lead acid type batteries. Battery life on the high performance GEL cells is rated at 5 years. Typical recharge time from a full discharge is just a few hours.

There is a generous amount of space reserved inside the enclosures for customer electronics such as controllers, wireless AP or CPE cards, sensors, inverters, etc. The standard component layout is designed for ease of maintenance.

Equipment runs on battery power to isolate it from power line surges which is a main cause of outdoor equipment failure.



## Specifications

	UPS-ST24-50-8-UBNT	UPS-ST24-100-8-UBNT
<b>Load Voltage</b>	24VDC +/- 5%	24VDC +/-5%
<b>Maximum Load Output</b>	12A	12A
<b>Minimum Load Output</b>	1A	1A
<b>Storage Capacity</b>	51Ah 1200VA	102Ah 2400VA
<b>Battery Type</b>	Non-Spillable Sealed Lead Acid GEL	
<b>Battery Life (Typical)</b>	5 Years	
<b>Charge Voltage</b>	WET Equalize = 28.8V, Float = 26.4V GEL Equalize = 28.4V, Float = 27V	
<b>Over-Discharge Protection</b>	21.5V Load Off 25.2V Load On	
<b>Other Protections</b>	Short Circuit, Reverse Battery	
<b>VAC Input Voltage</b>	100-270VAC 47-63Hz	
<b>VAC Input Current</b>	3.5A @ 115VAC / 1.8A @ 240VAC	
<b>Fuse</b>	6A Internal	
<b>Self Consumption</b>	<5W	
<b>POE Switch Output</b>	7 POE Ports, 20 to 24.5VDC @ Max 2A per port, Shielded RJ45	
<b>POE Switch</b>	10/100Mb IEEE802.3/IEEE802.3u Auto Crossover	
<b>POE Protection</b>	Over Temperature, Over Current, Short , Over/Under Voltage, Surge	
<b>Enclosure Type</b>	Powder Coated Steel, Security Locks, Pole (2" to 4") or Wall Mount	
<b>Enclosure External Size</b>	24 x 15 x 14" (610 x 381 x 356mm)	
<b>Enclosure Internal Size</b>	23 x 14 x 12" (584 x 356 x 305mm)	
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)	
<b>System Weight (without batteries)</b>	55lb (25kg)	
<b>Battery Weight</b>	37lb (17kg) each x 2	37lb (17kg) each x 4

**Notes:**

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems Outdoor UPS carry a 2 year limited warranty

## System Ordering:

<b>UPS-ST24-50-8-UBNT</b>	<b>UPSPro™</b> 192W 1200VA backup power system, 7 switched 24VDC POE ports, 51Ah 24V battery
<b>UPS-ST24-100-8-UBNT</b>	<b>UPSPro™</b> 192W 2400VA backup power system, 7 switched 24VDC POE ports, 102Ah 24V battery
<b>UPS-ST24-NB-8-UBNT</b>	<b>UPSPro™</b> 192W backup power system, 7 switched 24VDC POE ports, NO BATTERY

## For further information contact:

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<b>Ubiquiti Power Requirements</b>	
Rocket	6.5W
Rocket GPS	8W
Nanostation 2	4W
Nanostation 5	5W
NanoBridge M9	6.5W
NanoBridge M2,M5	5.5W
NanoBridge M3, M365	8W
Bullet M2	7W
Bullet M5	6W
Picostation M HP	8W
PowerBridge	8W
AirGrid M HP	3W
Aircam	2.4W
Aircam Dome	3.5W
Aircam Mini	3W