

Outdoor UPS System

Features

- **120W 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/AGM Sealed Lead Acid Batteries**
- **Choice of 50Ah (1200VA) or 100Ah (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 120W 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: 50Ah Battery capacity, 100Ah 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/AGM 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
Load Voltage	24VDC +/- 5%	24VDC +/-5%
Maximum Load Output	5A (120W)	5A (120W)
Minimum Load Output	1A	1A
Storage Capacity	50Ah 1200VA	100Ah 2400VA
Battery Type	Non-Spillable Sealed Lead Acid GEL/AGM	
Battery Life (Typical)	5 Years	
Charge Voltage	GEL/AGM Equalize = 28.4V, Float = 27V	
Over-Discharge Protection	21.5V Load Off 25.2V Load On	
Other Protections	Short Circuit, Reverse Battery	
VAC Input Voltage	100-270VAC 47-63Hz	
VAC Input Current	3.5A @ 115VAC / 1.8A @ 240VAC	
Fuse	6A Internal	
Self Consumption	<5W	
POE Switch Output	7 POE Ports, 20 to 24.5VDC @ Max 2A per port, Shielded RJ45	
POE Switch	10/100Mb IEEE802.3/IEEE802.3u Auto Crossover	
POE Protection	Over Temperature, Over Current, Short , Over/Under Voltage, Surge	
Enclosure Type	Powder Coated Steel, Security Locks, Pole (2" to 4") or Wall Mount	
Enclosure External Size	24 x 15 x 14" (610 x 381 x 356mm)	
Enclosure Internal Size	23 x 14 x 12" (584 x 356 x 305mm)	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)	
System Weight (without batteries)	55lb (25kg)	
Battery Weight	37lb (17kg) each x 2	37lb (17kg) each x 4
Warranty	2 years	2 years

Ubiquiti Power Requirements

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

System Ordering:

- UPS-ST24-50-8-UBNT** **UPSPro™** 120W 1200VA backup power system, 7 switched 24VDC POE ports, 50Ah 24V battery
- UPS-ST24-100-8-UBNT** **UPSPro™** 120W 2400VA backup power system, 7 switched 24VDC POE ports, 100Ah 24V battery
- UPS-ST24-NB-8-UBNT** **UPSPro™** 120W backup power system, 7 switched 24VDC POE ports, NO BATTERY

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