



UPSPro[®] 120W

DATA SHEET

120W 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

Applications

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

Description

The UPSPro[®] 120W 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 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. 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 250mW wireless access point with average power consumption of 4W will run 24 hours on a 9Ah battery at room temperature or 16 hours at -20 deg C.



UPSPro[®] 120W
Polycarbonate Enclosure



UPSPro[®] 120W
Steel Enclosure



UPS-PL12-36-120



UPS-ST24-100-120

Specifications

	UPS-PLxx-xx-120	UPS-STxx-xx-120
Battery Voltage (DC)	12V or 24V	
Input Voltage (AC)	120/240VAC, 50/60Hz, 2.5A Max.	
Available 12V Capacities (Amp Hr)	18Ah(2 batteries), 36Ah(4 batteries)	50Ah(1 Battery), 100Ah(2 batteries)
Avail Storage Capacity (Watt Hr)	216Wh, 432Wh	600Wh, 1200Wh
Max Output Power	120W	
Suggested Maximum Load	100W	
Maximum Instantaneous Load	20A 500msec	
Battery Type	Valve Regulated Sealed Lead Acid / Absorbed Glass Mat (AGM)	
Battery Life	5 Years	
Controller Type	20A PWM Solar Controller with Status Display and Load on/off switch <i>Max Solar Panel Size 12V 240W , 24V 480W</i>	
Controller Display Status	Battery Voltage, Charging Current, Load Current, Temperature	
Overcharge Protection	14.4V / 28.8V	
Over-discharge protection	11V / 22V	
Over-discharge recovery voltage	12.3V / 24.6V	
Controller Self Consumption	<0.3W	
Enclosure Type	Polycarbonate	Powder Coated Steel
Enclosure External Size	17.5 x 12.5 x 6" (445 x 318 x 152mm)	24 x 15 x 14" (610 x 381 x 356mm)
Enclosure Internal Size	14 x 10 x 5" (356 x 254 x 127mm)	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)	6lb (1.8kg)	55lb (25kg)
Battery Weight (each)	5.5lb (2.5kg)	37lb (17kg)
Certifications	Individual components used have CE Certifications. Batteries have CE and UL.	
Warranty	3 Years	

System Ordering:

Model #	Enclosure Type	Battery Voltage	12V Battery Capacity	Total Watt Hours Storage Capacity
UPS-PL12-18-120	Polycarbonate	12VDC	18Ah	216
UPS-PL12-36-120	Polycarbonate	12VDC	36Ah	432
UPS-PL24-18-120	Polycarbonate	24VDC	18Ah	216
UPS-PL24-36-120	Polycarbonate	24VDC	36Ah	432
UPS-ST12-50-120	Steel	12VDC	50Ah	600
UPS-ST24-100-120	Steel	24VDC	100Ah	1200

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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