

2500-PWRUPS

Analog Command Center

Two-Way Communication (Area of Refuge)



Secondary power supply designed to meet essential backup requirements.

- 82 Ah battery backup
- Includes inverter, battery, mounting shelf, and flame retardant covers.
- Maintenance free; no water top-up required throughout service life.
- No special battery room required (no corrosive fumes emitted).
- Room installation with passive airflow recommended.
- Non-hazardous classification for transportation.
- Supports Command Center's analog configuration for up to 116 call boxes, enhancing Area of Refuge System safety and efficiency.



Specifications

Part Number	2500-PWRUPS
Dimensions	Inverter: 4.2" x 9.5" x 15.5" Battery: 8.3" x 6.6" x 10.2"
Weight	Inverter: 10 lbs. Battery: 52.5 lbs.
Container Material	ABS Flame retardant UL94
Monitoring	Via 2500-UPS MONITOR
Wiring Requirements	Provided power cord
Environmental	Inverter: 32°F to 104°F UL94 Flame Retardant Battery: Recommended: 68°F to 77°F Discharge: 5°F to 122°F Charge: 32°F to 104°F Storage: 32°F to 104°F UL94 Humidity: <95%
Warranty	2 years
Lifetime	3 to 5 years
Regulatory Approval	Regulatory Approval • CSA 22.2 NO 107.1 (Power Conversion Equipment) Battery: UL 458 UL listed (file no. MH19767)
Code Compliance	Conforms to UL2525, Certified to CSA Standard C22.2 No



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Supplementary Info

Inverter Electrical Ratings

Output Power	1000 W
Surge Power	2000 W
Voltage Regulation	115 +/- 10 Vrms
Output Wave	Modified Sine Wave
Efficiency	>80%
Peak Efficiencies	>87%
Idle Mode	<10 w
Off Mode Current Draw (Display Off)	<1 mA

Battery Electrical Ratings

Nominal Voltage Output	12 V
Nominal Capacity	324.6 Watts/cell (15 Min. rate to 1.67V/cell @ 77°F) 82Ah (20 Hr. rate to 1.80 V/cell @ 77°F)
Internal Resistance	4.5 mOhms
Max. Discharge Current	1230 A (5s)
Float Voltage	2.25-2.28 Vpc at 77°F
Max Charge Current Allowed	24.6 Amps
Transfer Time	20 ms (milliseconds)
Self Discharge	3% of capacity declined per month at 20°C (68°F). The batteries may be stored for up to 6 months at 25°C (77°F) before a freshening charge is required. For higher temperatures the time interval will be shorter.



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