

P Series 1000 Watt LED Traffic UPS

The P Series double conversion uninterruptible power supply (UPS) unit ensures that there is no switching of the battery circuit at any time and that power is conditioned at all times. Designed for transportation and traffic applications, the P Series is capable of operation at its maximum rated output in extreme and harsh environments with all existing equipment including Traffic Controllers, LED's & Incandescent Lamps.



FEATURES & BENEFITS

- Double Conversion Technology Provides no-break sine-wave power
- Protects against spikes, sags, surges, noise, and power outages
- Easy to understand LED's for AC Health, Charger, Battery Power, Bypass
- Unity-1 power factor, 1000 real watts of continuous power
- Temperature Compensated battery charger, means longer battery life and better charge control
- High rate standard charger: 20 amps
- Dry contact terminals for UPS on battery, bypass, low battery & flash
- Dual function on battery dry contact can be programmed as a flash delay
- Built in transient surge protection
- RS 232, with full duplex communications provides all UPS parameters and information, through a laptop or computer
- Built-in Automatic Bypass circuit, insures mission-critical loads are not dropped during overload or UPS failure
- External Bypass with UPS & Bypass operation LED's
- Two Year Standard Warranty
- 150% Maximum overload capacity LED
- Stand-by or Online Operation
- Direct Utility truck connection

SPECIFICATIONS

MODEL

Capacity	1000 Watts
Dimensions	13.2cm x 48.3cm x 28.4cm
Mounting	Rack or Shelf
Weight W/O Battery	14 KGS
	Construction Aluminium
Input Connection	Anderson Power Connector or Hardwire Terminal Blocks
Output Connection	Anderson Power Connector or Hardwire Terminal Blocks
Battery Connections	150 Amp Anderson Connector w/# 1 battery cable

P1000

OPERATION

Nominal Input Voltage	120VAC
Input Range	85 to 145VAC
Operating Frequency	50/60HZ Auto sensing
Output Protection	Fuse or Circuit Breaker, with Reverse Polarity/ Short Circuit Protection
Battery Charger	3 Step Hysteresis type, Temperature Compensated, 26 amps with discharged battery
Recharge	12 HRS Maximum (with 6 batteries and 20 A charger)
Efficiency	92%
Safety Compliance	Conforms to UL & ULc
Communications	Full duplex, RS 232 PORT-9 pin when specified
LED's	AC Line, Charger, Battery Power, Bypass
Audible Alarms	Low Battery, Bypass, UPS Fail
Dry Contacts	AC-Fail, On Battery/ Flash, Bypass UPS-Fail, Low Battery. 120VAC Rating @ 10 amps

ENVIRONMENTAL

Operating Temperatures	-40C to 75C
Storage Temp	-40C to 75C
Relative Humidity	Up to 95% Non Condensing
Altitude	3000m Without derating

P1000 BACK-UP TIME IN MINUTES BASED ON PERCENT OF LOAD @ FULL SIGNAL PROTECTION

	25%	50%	75%	100%
1-65 AH Battery	110m	54m	30m	20m
2-65 AH Battery	240m	120m	80m	48m
3-65 AH Battery	380m	190m	120m	85m
4-65 AH Battery	490m	245m	170m	98m
5-65 AH Battery	639m	298m	207m	120m
6-65 AH Battery	655m	350m	244m	1550m

Note: *All specifications subject to change without notice All run times are approximate only. These may vary depending on battery condition. Warranty repair or replacement is return to factory only.