



Trusted Power Protection Solutions For Intelligent Transportation Systems

APC SecureUPS On-Line

Challenges

Intelligent transportation systems (ITS) are using innovative traffic management technology such as adaptive signal controls, emergency vehicle preemption and incident monitoring to help citizens use roadways in a safe and efficient manner.

As more intelligent devices are installed in roadside cabinets, the prevention of equipment failures due to power events becomes more critical. Traffic signal operation failures can lead to significant safety hazards and frustrated citizens stuck in traffic jams. Therefore, traffic operations teams from all states and cities are dependent on reliable and easy-to-use power protection solutions.

Solutions

APC by Schneider Electric provides trusted battery backup systems (BBS) for transportation system integrators, traffic operation teams from state DOTs and municipalities, preparing them for any utility power challenges.

APC Secure UPS On-line portfolio provides robust power protection for both established and the latest generation of ITS architectures. That's certainty in a connected world.

What do customers say about APC SecureUPS?

"The 1300VA power management unit takes everything that makes APC great in the server room and puts it on street in intelligent transportation systems. The power protection and battery backup features are a great fit for an intersection, while the remote monitoring capabilities and versatility allow for easy deployment in any traffic cabinet."

-Eric from City of Sevierville, Tennessee

The ruggedized APC UPS deployed at one of our eastern Nevada roadside cabinets has performed exceptionally for over a year, in very harsh conditions.

--Gary from State of Nevada DoT

APC SecureUPS Portfolio



SecureUPS On-Line 120V AC output, 1300VA



SecureUPS On-Line 120V AC & 48V, 24V DC output,

www.apc.com/secureUPS



APC SecureUPS On-Line

Ideal Applications

- Traffic Signals
- Ramp Metering
- Roadside Monitoring Systems
- Dynamic Message Signs
- Public Transportation Field Controls
- Tolling Systems
- Tunnel Control Systems
- Rail Crossings Signals



Benefits

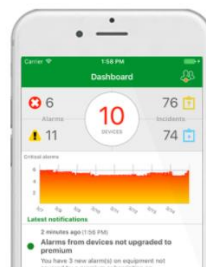
- 1 Improve Intersection Safety While Reducing Operating Costs**
Clean power with double-conversion on-line technology:
 - Lowers maintenance costs by reducing service calls to reset signal operation
 - Reduces risk due to dark/flashing intersections by improving signal uptime
 - Extends battery life by lowering cycle count
 - Extends battery life by handling many power quality issues electronically
- 2 Remotely Manage your UPS Fleet with Certainty***
 - Configure, receive notifications, review event logs, run diagnostics test & check battery runtime status
 - Manage the entire system with detailed battery information and early fault warnings
 - Ecostruxure IT™ integration: collect & distribute critical alerts with a unified view of physical infrastructure environments from anywhere on the network
- 3 Maintain ITS Network Security**
 - Imbedded Network Management Card 2 (NMC2) allows for secure remote monitoring & control of a UPS via web browser, CLI, SNMP (v1/v2c/v3), Modbus TCP and BACnet/IP
 - Adopts the latest network communication protocols for improved security
- 4 Eliminate Maintenance Headaches**
 - Field replaceable fan/filter for easy replacement
 - Quick troubleshoot with user-friendly LCD screen
 - 24/7 support from Schneider Electric's established service & support team
- 5 Outperform Roadside Environments**
 - Conformally coated for humidity & pollution tolerance
 - Designed for -37 °C to +74 °C (-40°F to 165°F) operating temperatures with integrated temperature compensated charging system

*Robust Remote Management Options from Schneider Electric

Web interface via IP Address



Ecostruxure IT Mobile App



Ecostruxure IT Cloud Platform

Ecostruxure™
Innovation At Every Level

APC SecureUPS On-Line

Portfolio



SecureUPS On-Line 120V AC & 48V, 24V DC output

For low voltage advanced transportation control (ATC) cabinet



SecureUPS On-Line 120V AC output, 1300VA

Designed for all 120V cabinet architectures

Accessories

Battery Harness Kit (required)

Connect the 48V battery string to the battery backup system (BBS) to enable the use of multiple battery strings

Battery Heater Mat

Allows battery use in extreme temperatures
2 sizes available: 256 and 365 sq. in

Service Bypass Unit 30A 120V with Generator Inputs*



Automatically uses generator power to help prolong the operation during a power outage

Extended Temperature Batteries

Long backup time with up to eight 100Ah lead-acid batteries. Extend operating temperature with batteries best suited for harsh environments

Environmental Monitoring Accessories

Optional accessories to increase environmental control through sensors

Service Bypass Unit 30A 120V without Generator Inputs*



Removes the UPS for service without disrupting the operation of the traffic signal

* Bypass units are designed for SecureUPS On-Line 120V AC output, 1300VA

Estimated Runtime

SecureUPS On-Line 120V AC & 48V, 24V DC output

	100Ah 48V Battery String	50Ah 48V Battery String
Half Load	7.5 hrs	3.5 hrs
Full Load	3.5 hrs	1.6 hrs

SecureUPS On-Line 120V AC output, 1300VA

	100Ah 48V Battery String	50Ah 48V Battery String
Half Load	6.27 hrs	2.4 hrs
Full Load	3 hrs	1.1 hrs

Extended Warranty Options

Seamless extension of the standard factory warranty by one or three years.

The extended warranty provides repair or replacement of your UPS and even covers your battery.



Life Is On

APC
by Schneider Electric

Life Is n



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