



APC SecureUPS On-line

1300VA | 2000VA



High performance ruggedized UPS for field cabinet applications

Designed to operate in harsh environments with minimal derating, the APC SecureUPS provides high-density, double-conversion online power protection and advanced management for connected electronics. When used with external batteries, the models also ensure back-up time during power outages. Ideal for intelligent traffic system and industrial applications, the SecureUPS is a perfect solution for field cabinets that require clean, regulated power.

Key Advantages

Double Conversion On Line

AC topology provides superior voltage and frequency regulation.

Best-in-class power density

Unity power factor (maximum real power in watts).

Unmatched Security

SNMPv3 and IPv6 protocols offer extended security layer for improved security of the network.

Ruggedized Design

Wide temperature operating range suitable for use in unconditioned field cabinets. Conformal coated electronics to improve humidity and pollution tolerance.

Remote and Local Manageability

Monitoring and control of the UPS and the environment via Ethernet connection through embedded network management card and locally through an intuitive graphical display.

Li-Ion Battery Combability

Allows the use of Li-Ion batteries, which guarantee higher life expectancy, efficiency at higher ambient temperatures, and lower Total Cost of Ownership.

Oversized charger

Robust battery charger for fast recovery after a power failure.

Service and Maintenance

- Local power quality event logging
- USB setup and service
- LCD display with color backlight
- Visual and audible status indicators
- Easy to remove and replace fan and filters

Optional 1200W Solar Power Charger

Add a solar charge now or in the future offset power consumption, extend run time, or minimize dependence on the grid.

APC SecureUPS On-line 1300VA & 2000VA

Product Overview



- 1 Easily Replaceable Filter
- 2 Easily Replaceable Fan Assembly
- 3 Serial port to communicate with the SecureUPS
- 4 External Battery Circuit Breaker to connects/disconnect battery power
- 5 USB Port
- 6 Universal I/O Port to connect optional environmental monitoring accessories
- 7 Reset Button to restart the Network Management Interface
- 8 Ethernet Port for network communication
- 9 Status LEDs
- 10 LCD for real-time status updates and UPS control
- 11 Li-Ion Battery Communication Connector
- 12 External bypass box interface (RS485 and +24 VDC power)
- 13 Input AC Circuit Breaker to connects/disconnects AC power
- 14 AC Input Connector
- 15 AC Output Connector
- 16 Relay Input Connector
- 17 Battery Test Points
- 18 Relay Output Connector
- 19 Battery Temperature Sensor Connector (Sensor cable and mating connector are supplied with the battery harness kit)
- 20 High Current DC Output Connector (Cables are not provided along with the UPS.)

LCD Display Features



LCD display screen

Accurately provides real-time status updates in your choice of basic or advanced menus

UPS status (scrolling)

- Output voltage
- Input voltage
- Output frequency
- Runtime
- Load
- Battery health

Control

- UPS and outlet group settings
- Bypass control

Configuration

- Output voltage, frequency
- Language, brightness, contrast
- Alarm volume
- IP address

Test and diagnostics

- Initiate battery and runtime calibration tests

About

- UPS serial number, battery part number
- Battery install and suggested replacement dates

Accessories

Battery harness kit

Connect the 48V battery string to the product to enable the use of multiple battery strings.

Part numbers:

XH102DXXXXA - Battery Harness 100Ah 48Vdc Kit
XH050DXXXXA - Battery Harness 50Ah 48Vdc Kit

Extended Temperature Batteries

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

Part numbers:

XB102XX1XS - Battery 100Ah 12Vdc
XB050XX1XS - Battery 50Ah 12Vdc

Battery heater mat

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

Part numbers:

XM050DXXXXA - Battery Heater Mat 256 Sq In. 120Vac
XM102DXXXXA - Battery Heater Mat 365 Sq In. 120Vac

Li-Ion Batteries

Part numbers:

XBP48RM1U-LI - Smart-UPS On-Line Li-Ion Battery Pack

Environmental Monitoring Accessories

Optional accessories to increase environmental control through sensors.

Part numbers:

AP9335TH - Temperature/humidity sensor
AP9810 - Relay input/output connector - supports two input contacts and one output relay



APC SecureUPS On-line

Main applications

Intelligent Traffic System (ITS)

- ✓ Traffic signals (Signalized Intersections)
- ✓ Ramp metering
- ✓ Roadside monitoring systems (cameras for enforcement, safety, and congestion; radar, in-road / near-road sensors, weather and air quality sensors)
- ✓ Dynamic Message Signs
- ✓ Public transportation field controls
- ✓ Tolling systems
- ✓ Tunnel control systems
- ✓ Rail crossings signals

Industrial Applications

- ✓ Telecommunications
- ✓ Distributed Antenna Systems
- ✓ Water/Waste Water
- ✓ Mining/Metals/Minerals
- ✓ Biotech / Pharmaceutical
- ✓ Transportation
- ✓ Chemical
- ✓ Food & Beverage
- ✓ Semiconductor
- ✓ Automotive
- ✓ Oil/Gas

Highly efficient power protection in harsh environments



Technical Specifications

Product Feature	XU1K3LLXRCC	SKU 2000VA?	
Output			
Output Topology	Double Conversion On-Line		
Nominal Output Voltage	120 Vac		
Output Power Rating	1300 W, 1300 VA	2000 W, 2000 VA	
Output Voltage Regulation (static)	± 1%		
Output Frequency (nominal)	50/60 Hz ± 3 Hz		
Output Waveform	True Sine Wave		
Input			
Nominal Input Voltage	120 Vac		
Input Voltage Range	100% load = 85 Vac - 155 Vac ± 2 Vac		
Input Frequency	45 Hz - 65 Hz ± 5 Hz		
Input Connection	Single phase, 3 wire (Line, Neutral and Ground)		
Communication and Management			
Interface Ports	USB, and Embedded Network Management Card (NMC)		
Control Panel and Audible Alarms	High-resolution graphical LCD display; alarm on battery, distinctive low battery alarm and configurable delays		
Environment - Operating & Storage			
Temperature - Operation	-40° C to 74° C (-40° F to 165° F)		
Temperature - Storage (without batteries)	-40° C to 85° C (-40° F to 185° F)		
Maximum Elevation - Operating	0 m - 3,000 m (0 ft - 10,000 ft)		
Maximum Elevation - Storage	0 m - 15,000 m (0 ft - 50,000 ft)		
Humidity	0% to 95% relative humidity, non-condensing		
Physical			
Unit dimensions without packaging Width x Depth x Height	434 mm x 260 mm x 88 mm (17.1 in x 10.3 in x 3.5 in)		
Unit dimensions with packaging Width x Depth x Height	535 mm x 370 mm x 186 mm (21.1 in x 14.6 in x 7.3 in)		
Conformance			
Warranty	3 years		
Optional External Batteries			
Battery	XB050XX1XS	XB102XX1XS	XBP48RM1U-LI
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte; leak proof		Lithium-Ion
Typical Backup Time at Varying Load Conditions	Please refer to www.apc.com for runtime charts		



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