

XUPs model

600

5 amperes 600 VA 420 watts 120 volts 10 min @420W 25 min @ 210W

1000

8.3 amperes 1000 VA 700 watts 120 volts 5 min @ 700W 12 min @ 350W

Rack-mountable sine wave UPS with AVR and a wide input voltage window

These heavy-duty XUPs Series UPS are housed in a rugged steel rack-mountable enclosure. The XUPs offers line-interactive automatic voltage regulation, over/undervoltage protection, surge protection with heavy duty noise filtering, communications capability and optional extended battery backup.

Key XUPs benefits

Pure sine wave

The XUPs design, with its microprocessorcontrolled 20 kHz sine wave inverter, reduces the number of solid-state devices required for power conversion, thereby yielding a high level of reliability.

Built-in automatic voltage regulation enables a wide input voltage window within which the XUPs can deliver power without having to drain or exercise the batteries, thereby ensuring long battery life. A fan exhausts hot air to protect batteries and electronics.

Standard battery run-times for the XUPs-600 are approximately 10 minutes at a 420 watts load, and 25 minutes with a 210 watts load; and for the XUPs-1000, approximately 5 minutes at a 700 watts load, and 12 minutes at a 350 watts load.

A built-in Anderson SB50 connector enables adding extra battery cabinets for longer times.

How the XUPs works

The XUPs Series UPS provides automatic voltage regulation with surge protection and noise filtering, and also overvoltage protection with a threshold of 135 vac, and undervoltage protection with a threshold of 95 vac. Upon a brownout, overvoltage, or loss of power, the XUPs will transfer to battery power in less than 4 milliseconds, enabling uninterrupted operation of computer, telecom, surveillance, signaling or other electronic systems.

A comprehensive array of power, battery level, voltage level, and inverter status LED indicators is provided for visual assessment of UPS status. A DB-9 port is provided for communication using RS-232 or relay dry contact signals. The power on/off switch is recessed to prevent accidental turn on or off.



Typical XUPs applications

This heavy duty UPS system is ideal for protection of computers, WiFi/GSM/ CDMA/satellite base stations, wireless communications/perimeter surveillance and security/gate control systems, LED traffic light/roadway display systems and industrial remote terminal units (RTUs).

Key XUPs features

- Pure sine wave inverter output
- Over/under-voltage protection
- Rack or wall mountable with optional rack/wall-mount kit
- Heavy-duty surge protection and noise filtering
- Automatic voltage regulation with wide voltage input window enhances long battery life
- Comprehensive array of status bargraphs for voltage, load and battery levels
- SNMP compatible via RS-232 port with optional SNMP adapter
- Both RS-232 (via DB9)and relay contact signals are provided
- Two year warranty on electronics
- One year warranty on batteries



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Rack-mountable heavy-duty line-interactive UPS with automatic voltage regulation

Specification	XUPs-600	XUPs-1000
Electrical		
Capacity in VA (watts)	600VA (420W)	1000 VA (700 W)
UPS topology	High efficiency line-interactive with 20 kHz PWM sine wave inverter.	
Input		
Nominal voltage	120 volts ac (95-135 vac without using batteries)	
Input current	5A maximum @ 120 vac	8.3A maximum @ 120 vac
Operating voltage. Freq.	95 to 140 vac without using batteries. 47–63 Hz.	
Input receptacle/plug	IEC320 input receptacle. Line cord with NEMA 5-15P plug.	
Output		
Nominal voltage	120 volts ac	
Voltage regulation	115 vac +/-8% upon changes in line or load.	
Crest ratio	3:1	
Output waveform	Pure sine wave, less than 3% THD with linear load.	

Power efficiency Power on/off switch Transfer time **Batteries Battery backup time**

Optional extra battery

pack(s) for longer

SNMP interface for **UPS** monitoring and

automatic shutdown

Recharge time

backup time

configuration

(optional)

7 ampere hours, 24vdc maintenance-free sealed lead-acid batteries. 10 minutes @ 420 watts load. 25 minutes @ 210 watts load.

5 minutes @ 700 watts load. 12 minutes @ 350 watts load.

Four hours to 95% capacity after full discharge.

97 %, under full load conditions.

Recessed on/off rocker style power switch.

<4 milliseconds

Matching extra battery pack(s) available with SB50 connector, and separate battery charger for enabling faster recharge times. Please call for sizing assistance.

Using an external SNMP adapter, the RS-232 signals (from the DB-9 female connector) from the UPS can be converted to 10M/100M fast Ethernet signals (and RJ-45 connection) for external UPS monitoring/ configuration capability using Telnet, web browsers, or NMS (most such external devices support TCP/IP, UDP, SNMP, Telnet, SNTP,

PPP, HTTP & SMTP protocols).

Surge protection Status indicators Ac input surge/noise filter (using inductor, capacitor and MOV).

5 LED load level indicator: 0 to 100% of rated load. 5 LED battery charge level indicator from 0 to 100% of rated charge.

3 LED indicators for: in boost, buck or normal mode. 3 LED indicators for: inverter on/off, battery fault and overload.

Eight standard NEMA 5-15R receptacles. For others please call.

Output receptacles

Physical

Dimensions

Weights

Housing

Rack or wall mounting kits (optional)

406mm(16") wide x 381mm(15") deep x 89mm(3.5") high (2U high)

15kg(32lbs) 17kg(37 lbs) Painted steel enclosure with rubber feet.

Front pair rack-mount kit: For a 19" rack: # MK-5019A For a 23" rack: #MK-5023A

Center pair rack-mount kit: For a 19" rack: # MK-5019F For a 23" rack: #MK=5023F

Wall or floor mount kit: use # MK-5000C

Safety

Agency approvals

Designed to meet UL, cUL and IEC safety standards.

Environmental

Operating temperature

0° to 40°C (32° to 104°F). 10 to 90% relative humidity (non-condensing).

Warranty

Warranty

Two year limited warranty, parts and labor. One year battery warranty.

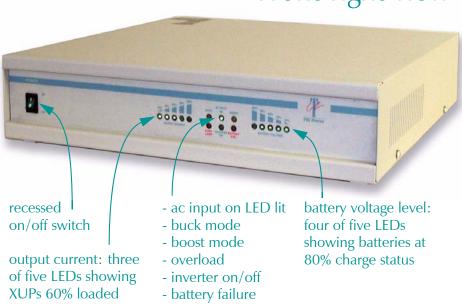
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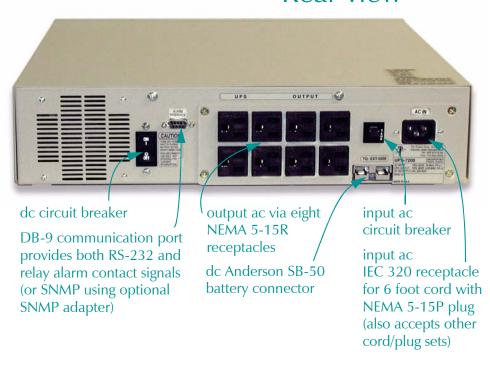
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Front-right view

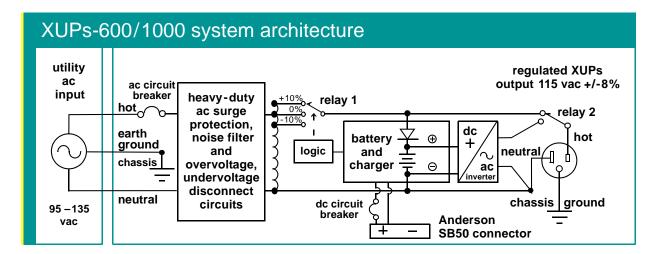


Rear view



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XUPs-600/1000 at a glance

Rack or wall-mountable heavy-duty UPS with line-interactive automatic voltage regulation and wide input voltage window

- 10 minutes @ 420 watts load 25 minutes @ 210 watts load with XUPs-600
- 5 minutes @ 700 watts load 12 minutes @ 350 watts load with XUPs-1000
- A built-in Anderson SB50 connector enables adding extra battery packs for longer times
- Less than 4ms transfer time
- 24 vdc battery bus

- 115vac +/-8% output from 95–135 vac input without going to batteries
- Microprocessor-controlled 20 kHz PWM sine wave inverter
- Rack-mountable metal cabinet allows for rack or wall mounting using optional mounting kits
- SNMP compatible with optional SNMP adapter



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