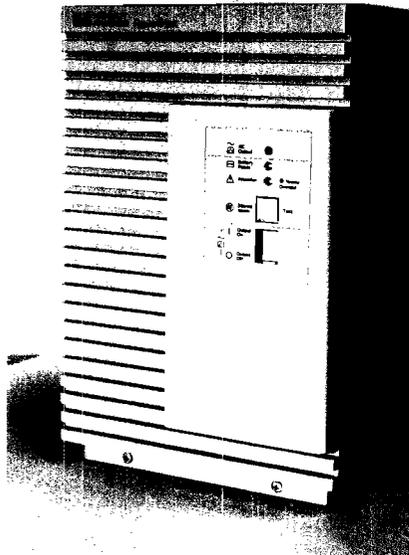


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HP PowerTrust UPS Family

Technical Data

A2941A 600VA Deskside Unit



600 VA Deskside A2941A

Key Benefits

- Protects the entire system—a more complete solution than “powerfail battery backup”
- Complete protection against power line problems
- Minimum 15 minutes reserve at full rated output
- Autoranging, worldwide use with no configuration required
- Built-in software to facilitate orderly system shutdown and timer-controlled on/off—a must for mission-critical applications
- HP quality, reliability, and support

Software Features List*

- Automatic or manual shutdown at the discretion of system administrator
- Timer-controlled on/off for added security, convenience, and energy conservation
- Status and control capability through the RS232 port

Hardware Features List

- Protection against
 - Brownouts/Sags
 - Blackouts
 - Spikes/Surges
 - Noise (EMI/RFI)
- More than twice the industry standard backup time
- Patented microprocessor control reduces parts count, increasing reliability
- Advanced design allows low line battery charging
- Standard front panel visual and audible status indicators
- Automatic and manual battery test capability
- Minimum 15 minutes battery backup at full rated load
- Sealed computer grade, maintenance-free, 94V0 flame rated battery
- RMS regulated inverter output
- Automatic frequency selection
- Autoranging voltage and frequency selection
- Worldwide regulatory certified
- Transient protected RS232 control interface
- Attractive standalone cabinetry design



* Software features applied to 800 Series only. The MPE/iX Transaction Manager ensures data integrity in the event of power failure and, therefore, requires no additional software.

HP Computer Museum
www.hpmuseum.net

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Supported Platforms

Series 700 servers with HP-UX 9.04
Series 800 servers with HP-UX 9.04
Series 900 servers with HP MPE/iX 4.0 (9x8 and 99x families only)

Technical Specifications

Input

Voltage

Lower voltage range—
96–133 @ 50/60 Hz
Higher voltage range—
192–251 @ 50/60 Hz

Frequency

50/60 Hz nominal
(48–53/57–63 Hz)

Protection

10 amp 250 V time delay fuse

Output

Load

VA

600 VA

Wattage

420 W @.65/.55 power factor

Current

6.75/3.8 amp @ 200 V

Crest factor

> 3

Voltage

With normal AC line—Same as input

During power fail—

103–126 V lower voltage range
207–253 V higher voltage range

Frequency

With normal AC line—

Tracks input

During power fail—50/60 Hz

Waveform

Modified sinewave

Power Factor*

Line to neutral capacitance
2 micro farad maximum

Surge Suppression

Industry standards

Battery

Type

Recyclable sealed maintenance-free, computer grade, lead acid battery (94V0 flame rated)

Reserve time

Minimum 15 minutes at full load at 20 degrees C

Recharge time

14 hours typical

Environmental

Storage Temperature

–29 to +50 degrees C
(–20 to +122 degrees F)

Operating Temperature

5–40 degrees C
(41–104 degrees F)

Humidity

5–90% RH non-condensing (storage)
15–80% RH non-condensing (operating)

Altitude

0 to 3000 meters or 0 to 10,000 feet

Heat Dissipation

With normal AC line—204 BTU
During power fail—600 BTU

Audible noise

Convection cooled, requires no fan

Conformance

Worldwide Certifications:

UL listed, CSA certified, TUV GS certified to EN60950, FCC Class A, DOC Class A, VCCI level A, EN55022 level A

External Interface

RS232

Fixed at 1200 baud. Provides system operating status, alarm messages and metering functions.

Operating modes

Output enable and output disable

Alarm Messages

Low input and high input voltage, output overload, low and

high battery voltage, low battery alarm, system fault, high temperature shutdown, and inverter shutdown

Metering Functions

AC input and output voltage, operating line frequency, and internal temperature

Connections

Output

Four IEC C320 C14, two accessory cords provided

Input

Detachable cordset is localized to shipment destination

Controls and Indicators

Front panel LEDs provide status indication

Green: "AC Output"
Yellow: "Battery Power"
Yellow: "Attention"
Controls: Silence alarm/test and output on/off switches

Mechanical

Dimensions

H/W/D—34.5 cm/22.9 cm/39.4 cm
(13.6"/9"/15.5")

Color

HP Parchment white

Enclosure

Ergonomically designed complementing other HP computer system components

Ship Weight

27.2 kg / 60 lb

Warranty

One year, parts and labor

Included accessories

Operator's manual, input power cord set, two each output power cord sets, and one communications interface cable.

Note: Specifications subject to change without notice

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*Intended for use with HP server and workstation products. It is not intended for use with laser printers or other AC motor-driven products.