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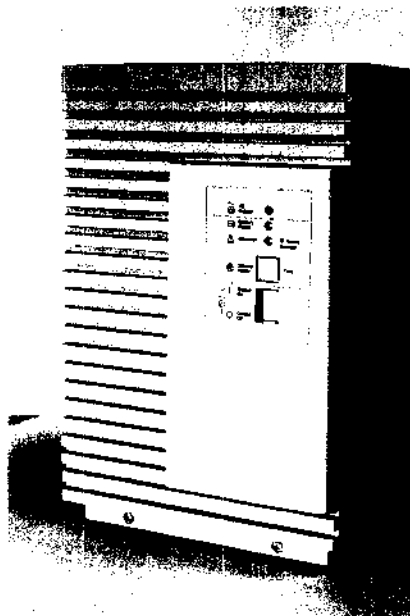
# HP PowerTrust UPS Family

## Technical Data

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### A2941A 600VA Deskside Unit

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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.

### 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 sine wave

##### 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

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