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APC AP6020A POWER DISTRIBUTION UNIT

APC AP6020A Power Distribution Unit Specifications and Datasheet

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APC AP6020A Power Distribution Unit

In the world of data centers and server racks, one of the critical aspects to consider is efficient power distribution. Ensuring that your servers and networking equipment receive a stable and reliable power supply is paramount. The APC AP6020A Power Distribution Unit (PDU) is designed to meet these needs, offering a robust solution for distributing power to your rack-mounted devices.

Highlights

- To minimize cable congestion within your rack and accept a variety of devices, the PDU is outfitted with thirteen C13 plugs that are positioned strategically.
- It has a flexible power input that enables you to use any disconnected power cord that you choose thanks to its IEC-320 C20 inlet. It may be adjusted to various situations and power sources because of its flexibility.
- The PDU may be used in many locations with different power standards since it supports a wide input voltage range, including 100–240 VAC (cULus, PSE) and 200–240 VAC (UL-EU).
- It complies with international power standards and runs smoothly on both 50Hz and 60Hz input frequencies.
- To fulfill the power needs of the connected equipment, the PDU provides a reliable output voltage of 100-240 VAC (cULus) or 200-240 VAC (UL-EU).
- You can customize the PDU to meet the needs of your particular devices using the C13 outlets' variable maximum output current ratings, which include 12 A (cULus), 15 A (PSE), and 10 A (UL-EU).
- The PDU's small form factor, measuring only 38.81 x 4.36 x 9.29 cm (15.28 x 1.72 x 3.66 in), allows you to preserve important rack space for your equipment.
- The PDU is simple to handle during installation and maintenance at a little 1.50 kg (3.30 lb).
- With an operational elevation range of 0 to 3000 meters (0 to 10,000 feet) above mean sea level, it performs dependably in a variety of situations.
- Operating from 0 to 50°C (32 to 122°F), and safely storing between -15 to 60°C (5 to 140°F), the PDU can tolerate a broad temperature range.
- The PDU adjusts effectively to varying climatic conditions thanks to its non-condensing operational humidity range of 5% to 95%.
- The APC AP6020A PDU satisfies strict safety and performance requirements by adhering to several safety standards, including UL/C-UL, UL-EU, CE, IRAM, EAC, PSE, and UKCA.
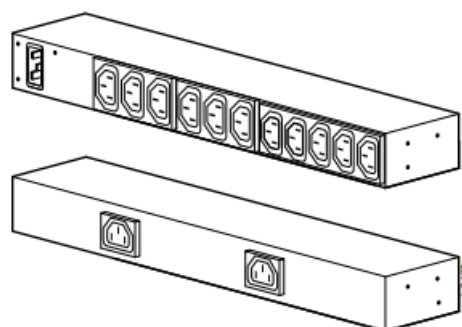
Overview and Specifications

Basic Rack PDU AP6020A

Overview

The APC Basic Rack PDU distributes power to the devices in the rack.

- **Outlets:** The Rack PDU has thirteen (13) C13 outlets.
- **Power cord:** The Rack PDU has an IEC-320 C20 inlet and can be used with a detached power cord (not provided).

Electrical

- **Connection:** IEC-320 C20 inlet
- **Acceptable input voltage:**
    - 100–240 VAC (cULus, PSE)
    - 200–240 VAC (UL-EU)
- **Maximum input current (phase):**
    - 16 A (cULus, UL-EU)
    - 20 A (PSE)
- **Input frequency:** 50/60 Hz
- **Output voltage:**
    - 100–240 VAC (cULus)
    - 200–240 VAC (UL-EU)
- **Output connections (13):** C13
- **Maximum output current (outlet):**
    - C13; 12 A (cULus)
    - C13; 15 A (PSE)
    - C13; 10 A (UL-EU)
- **Maximum output current (phase):**
    - 16 A (cULus, UL-EU)
    - 20 A (PSE)

Physical

- **Dimensions (H x W x D):** 38.81 x 4.36 x 9.29 cm (15.28 x 1.72 x 3.66 in)
- **Shipping dimensions (H x W x D):** 43.61 x 21.03 x 7.59 cm (17.17 x 8.28 x 2.99 in)
- **Weight:** 1.50 kg (3.30 lb)
- **Shipping weight:** 2.00 kg (4.44 lb)

Environmental

- **Maximum elevation (above MSL):**
    - Operating: 0 to 3000 m (0 to 10,000 ft)
    - Storage: 0 to 15,000 m (0 to 50,000 ft)
- **Temperature:**
    - Operating: 0 to 50°C (32 to 122°F)
    - Storage: -15 to 60°C (5 to 140°F)
- **Humidity:**
    - Operating: 5 to 95%, non-condensing
    - Storage: 5 to 95%, non-condensing

Compliance

- Safety approvals: UL/C-UL, UL-EU, CE, IRAM, EAC, PSE, UKCA

APC

- 70 Mechanic Street 02035 Foxboro, MA USA
- **www.apc.com**
- As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.
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Frequently Asked Questions

What is the APC AP6020A Power Distribution Unit used for?

The APC AP6020A Power Distribution Unit is used to distribute electrical power to devices in server racks and data centers. It helps manage and control the power supply to various equipment, ensuring reliable operation.

How many outlets does the APC AP6020A PDU have?

The APC AP6020A PDU features thirteen (13) C13 outlets, making it suitable for connecting multiple devices within a rack.

Can I use my own power cord with the APC AP6020A PDU?

Yes, the APC AP6020A PDU has an IEC-320 C20 inlet, allowing you to use a detached power cord of your choice. This flexibility makes it adaptable to different power sources and configurations.

What is the input voltage range supported by the APC AP6020A PDU?

The APC AP6020A PDU supports an input voltage range of 100–240 VAC (cULus, PSE) and 200–240 VAC (UL-EU), making it compatible with different power standards in various regions.

Does the APC AP6020A PDU work with both 50Hz and 60Hz input frequencies?

Yes, the APC AP6020A PDU is compatible with both 50Hz and 60Hz input frequencies, ensuring it can be used in regions with different power frequency standards.

What is the maximum output current for the C13 outlets on the APC AP6020A PDU?

The maximum output current varies depending on the outlet. It can be 12 A (cULus), 15 A (PSE), or 10 A (UL-EU), allowing you to tailor the PDU to the specific power requirements of your connected devices.

Is the APC AP6020A PDU easy to install within a server rack?

Yes, the APC AP6020A PDU has a compact design with dimensions of approximately 38.81 x 4.36 x 9.29 cm (15.28 x 1.72 x 3.66 in), making it easy to install in standard server racks.

What is the weight of the APC AP6020A PDU?

The APC AP6020A PDU weighs approximately 1.50 kg (3.30 lb), making it lightweight and easy to handle during installation and maintenance.

Can the APC AP6020A PDU operate in environments with varying elevations?

Yes, the APC AP6020A PDU has a wide elevation tolerance and can operate in environments ranging from 0 to 3000 meters (0 to 10,000 feet) above mean sea level.

What are the temperature and humidity ranges the APC AP6020A PDU can withstand?

The APC AP6020A PDU can operate in temperatures ranging from 0 to 50°C (32 to 122°F) and can be stored safely within -15 to 60°C (5 to 140°F). It also operates in humidity conditions ranging from 5% to 95%, non-condensing.

Is the APC AP6020A PDU compliant with safety standards?

Yes, the APC AP6020A PDU complies with various safety standards, including UL/C-UL, UL-EU, CE, IRAM, EAC, PSE, and UKCA, ensuring that it meets stringent safety and performance criteria.

Can I use the APC AP6020A PDU in locations with extreme temperatures or high humidity?

The APC AP6020A PDU is designed to operate within specified temperature and humidity ranges. It can function in environments with temperatures ranging from 0 to 50°C (32 to 122°F) and humidity levels of 5% to 95%, non-condensing. It's important to ensure that the installation environment meets these conditions.

Reference: [APC AP6020A Power Distribution Unit Specifications and Datasheet-device.report](#)

References

- **[User Manual](#)**