

## Switched Rack PDU

### **Rack PDU, Switched, 1U, 15A, 100/120V, (8)5-15**



APC Switched Rack PDU , Input: 120V , Input Connections: NEMA 5-15P , Cord Length: 12 feet ( 3.66 meters ) , Output: 120V , Output Connections: NEMA 5-15R

**Includes:** Cord retention bracket(s), Horizontal mounting brackets, Installation guide, User Manual

**Standard Lead Time:** Usually in Stock



## AP7900 Features

Remote Current Monitoring  
Power Sequencing  
Horizontal mounting capability

## Switched Rack PDU Features & Benefits

### Availability

**Network Management** Full-featured network management interfaces that provide standards-based management via Web, SNMP, and Telnet. Allows users to access, configure, and manage units from remote locations to save valuable time. Associated with this feature is the ability to quickly and easily upgrade the firmware via network download to installed units for future product enhancements.

**Remote Individual Outlet Control** Remotely manage outlets so users can turn outlets off that are not in use (prevent overloads) or recycle power to locked-up equipment (minimize costly downtime and avoid travel time to equipment).

**Alarm Thresholds** Define alarm thresholds in order to avoid overloaded circuits. Network and visual alarms inform the user of possible problems. (Note: Only available on units with the current monitoring capabilities. Please see SKU specifications for availability)

**Local Current Monitoring Display** The aggregate current draw per power distribution unit is displayed on the unit via a digital display. The local digital display helps installers avoid overloaded circuits by providing a visible warning when the current draw is close to the maximum amperage draw of the strip. (Available on designated SKUs only)

**Power Delays** Allows users to configure the sequence in which power is turned on or off for each outlet. This helps avoid in-rushes at start-up, which can cause overloaded circuits and dropped loads. Sequencing also allows users to predetermine which piece of equipment is turned on first so other equipment dependant on that unit will function properly.

**Load indicator LED** Indicates overload and warning conditions based on the user-defined alarm thresholds. Alerts users of potential overloaded circuits.

**Flash Upgradeable** Quickly and easily upgrade firmware via network download for future product enhancements. Eliminates the need to replace products already installed in the field when new features are released. (Note: Networked units only)

**Integrates with InfraStruXure Central** An IT-ready, scalable monitoring system that collects, organizes, and distributes critical alerts, surveillance video and key information, providing a unified view of complex physical infrastructure environments from anywhere on the network

### Agility

**Rack-Mountable** Includes horizontal, vertical, and toolless-mount varieties. Puts power where it is needed most - in the racks near the equipment.

**Single input power source** Supply power from one branch whip to multiple pieces of equipment, conveniently powering rack-mount equipment. Saves time and money during installation by using one branch whip and standard connections.

**Wide range of input and output** Product family includes a variety of input and output connections to distribute 120V, 208V, or 230V power to multiple outlets. Having a variety

connections

of inputs and outputs allow users to adapt to varying power requirements.  
APC offers units that bring up to 14.4kW using a single branch whip.

# Output

|                                      |                |
|--------------------------------------|----------------|
| Nominal Output Voltage               | 120V           |
| Maximum Total Current Draw per Phase | 15A            |
| Output Connections                   | (8) NEMA 5-15R |



# Input

|  |             |
|--|-------------|
| Nominal Input Voltage                            | 120V        |
| Input Frequency                                  | 50/60 Hz    |
| Regulatory Derated Input Current (North America) | 12A         |
| Input Connections                                | NEMA 5-15P  |
| Cord Length                                      | 3.66 meters |
| Number of Power Cords                            | 1           |
| Maximum Input Current per phase                  | 15A         |
| Load Capacity                                    | 1440 VA     |



# Physical

|                 |           |
|-----------------|-----------|
| Net Weight      | 2.27 KG   |
| Maximum Height  | 44.00 mm  |
| Maximum Width   | 445.00 mm |
| Maximum Depth   | 108.00 mm |
| Shipping Weight | 3.45 KG   |
| Shipping Height | 70.00 mm  |
| Shipping Width  | 470.00 mm |
| Shipping Depth  | 343.00 mm |
| Color           | Black     |

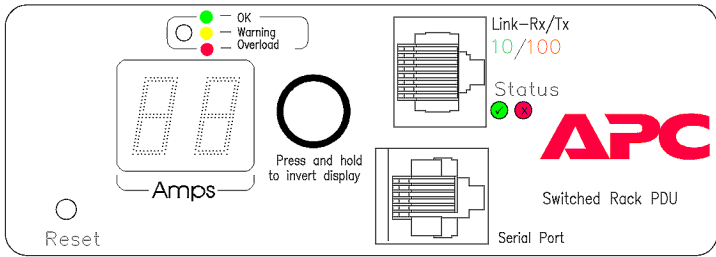
# Environmental

|                             |               |
|-----------------------------|---------------|
| Operating Environment       | 0 - 45 °C     |
| Operating Relative Humidity | 0%            |
| Operating Elevation         | 0-3000 meters |

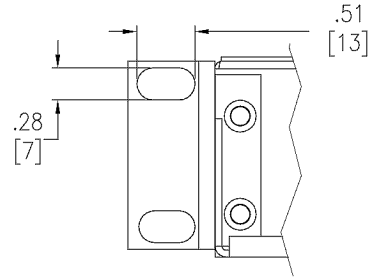
|                           |                |
|---------------------------|----------------|
| Storage Temperature       | -25 - 65 °C    |
| Storage Relative Humidity | 0%             |
| Storage Elevation         | 0-15000 meters |

## Conformance

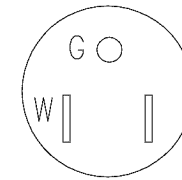
|                      |  |
|----------------------|--|
| Regulatory Approvals | cUL Listed,CSA,FCC Part 15 Class A,ICES-003,Industry Canada,METI Denan,UL 60950,UL Listed,VCCI |
| Standard Warranty    | 2 years repair or replace  |
| ROHS/WEEE Compliance | RoHS 7b Exemption  |



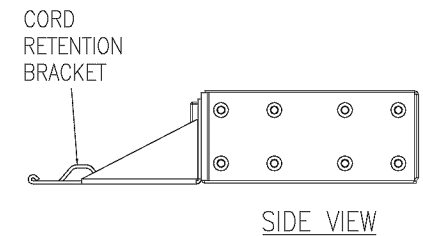
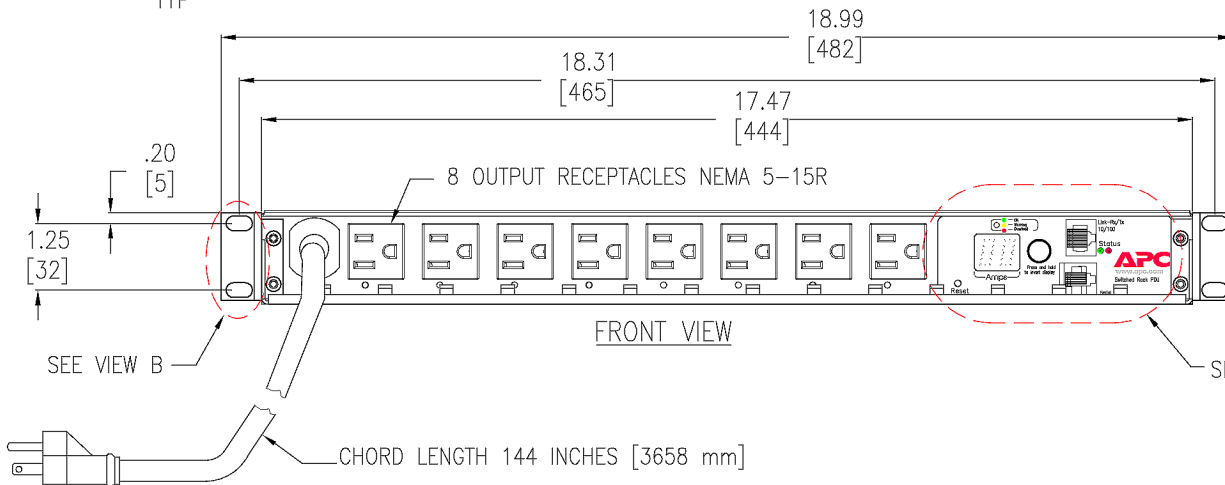
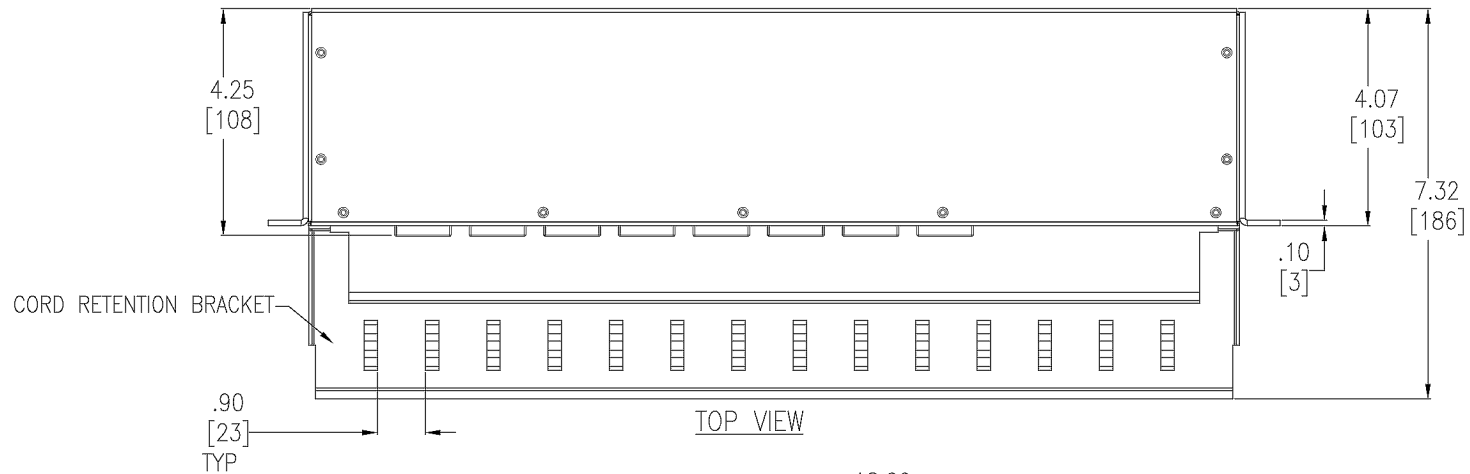
DETAIL A  
(ENLARGED-DISPLAY INTERFACE)



VIEW B  
(MOUNTING BRACKET-ENLARGED)



DETAIL C  
(NEMA 5-15P ENLARGED)



- NOTES:
1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
  2. NET WEIGHT IS 5 LBS [2.27 kg]
  3. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

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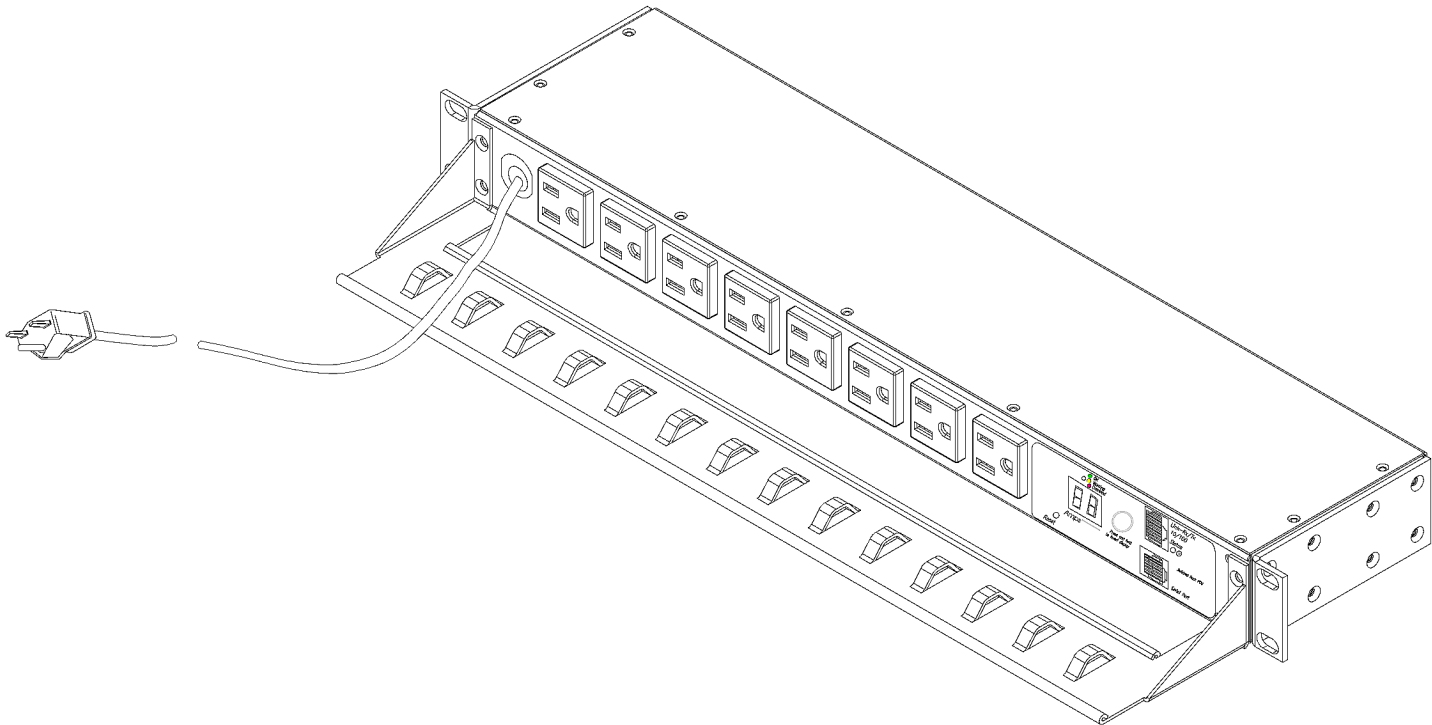
TITLE: RACK PDU, SWITCHED  
1U, 15A, 100/120V, INPUT: NEMA 5-15P  
OUTPUT: (8)NEMA 5-15R  
MAIN MECHANICAL  
PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 2

DWG NO: AP7900-MM1  
DRAWN BY: JAYAPRAKASH  
CHECKED BY: T.HORSTMANN  
ENGINEER: R.HANSEN/ E.SILVA

REV. -



# ISOMETRIC VIEW



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TITLE: RACK PDU, SWITCHED  
 1U, 15A, 100/120V, INPUT: NEMA 5-15P  
 OUTPUT: (8)NEMA 5-15R  
 ISOMETRIC VIEW  
 PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 2

DWG NO: AP7900-MM2  
 DRAWN BY: JAYAPRAKASH  
 CHECKED BY: T.HORSTMANN  
 ENGINEER: R.HANSEN/ E.SILVA

REV. —

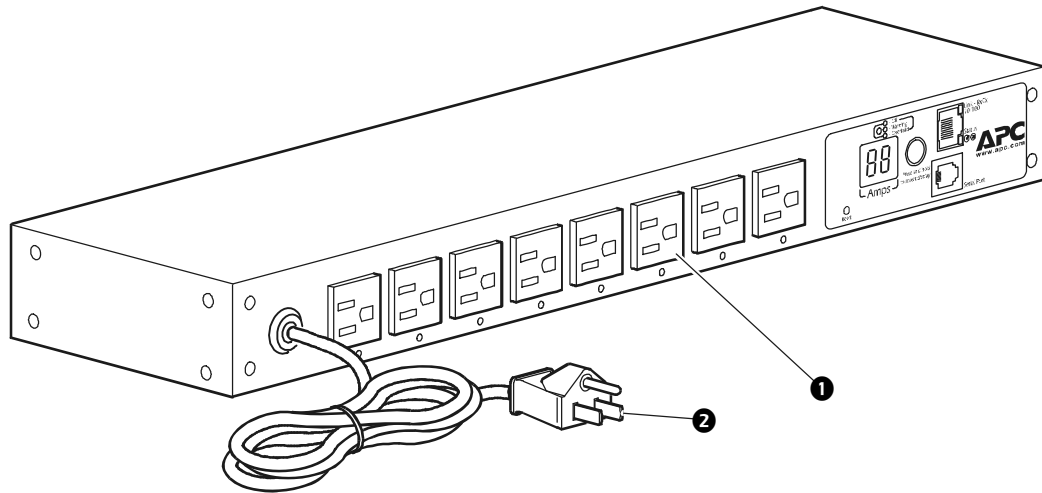


## Switched Rack PDU

### Overview

The American Power Conversion<sup>®</sup> (APC) Switched Rack PDU is a stand-alone, network-manageable device that allows programmable control of eight power outlets. It requires only one U of rack space; it has built-in network connectivity; and, all user interfaces are on the front of the PDU.

#### Front view—AP7900



| No. | Item       | Description/Function   |
|-----|------------|--|
| 1   | Outlets    | <p>The outlets connect the PDU to equipment in your rack or enclosure. Each outlet allows independent control of the connected equipment, and provides 24 independent Outlet User accounts.</p> <p>Each PDU has eight outlets:<br/>           AP7900: NEMA 5-15R (shown)<br/>           AP7901: NEMA 5-20R</p> |
| 2   | Power Cord | <p>The power cord connects the PDU to one power source. The cord is located on the front of the PDU for easier mounting and user access.</p> <p>The 12-foot cord has one of the following plugs:<br/>           AP7900: NEMA 5-15P (shown)<br/>           AP7901: NEMA L5-20P</p>                              |



# Specifications

## AP7900/AP7901

|                        | AP7900  | AP7901                                |
|------------------------|---|---------------------------------------|
| <b>Electrical</b>      |   |                                       |
| Input connectors       | 100–120 VAC, 12 A<br>NEMA 5-15P plug                | 100–120 VAC, 16 A<br>NEMA L5-20P plug |
| Output connectors      | Eight NEMA 5-15R outlets                            | Eight NEMA 5-20R outlets              |
| <b>Physical</b>        |   |                                       |
| Size (h × w × d)       | 1.73 × 17.50 × 4.25 in<br>(4.45 × 44.45 × 10.80 cm) |                                       |
| Weight                 | 5 lb (2.26 kg)                                      |                                       |
| Shipping weight        | 7.6 lb (3.4 kg)                                     |                                       |
| <b>Environmental</b>   |   |                                       |
| Elevation (above MSL): |   |                                       |
| Operating:             | 0 to 10,000 ft (0 to 3000 m)                        |                                       |
| Storage:               | 0 to 50,000 ft (0 to 15 000 m)                      |                                       |
| Temperature:           |   |                                       |
| Operating:             | 23 to 113° F (–5 to 45° C)                          |                                       |
| Storage:               | –13 to 149° F (–25 to 65° C)                        |                                       |
| Humidity:              |   |                                       |
| Operating:             | 5 to 95%, non-condensing                            |                                       |
| Storage:               | 5 to 95%, non-condensing                            |                                       |
| <b>Approvals</b>       |   |                                       |
| EMC Verification       | FCC Part 15 Class A, ICES-003 Class A, VCCI Class A |                                       |
| Safety Verification    | UL/cUL Listed to UL 60950                           | UL/cUL Listed to UL 60950             |

