

## Metered Rack PDU

### **Rack PDU, Metered, Zero U, 20A, 120V, (24) NEMA 5-20R**



APC Metered Rack PDU , Input: 120V , Input Connections: NEMA L5-20P , Cord Length: 10 feet ( 3.05 meters ) , Output: 120V , Output Connections: NEMA 5-20R

**Includes:** Cord retention bracket(s), Installation guide, Rack Mounting brackets, Toolless Mounting Kit, User Manual

**Standard Lead Time:** Usually in Stock

## AP7830 Features

Toolless Mounting Capabilities	Units do not require additional tools to mount into APC NetShelter VX, which allows the users to quickly and easily mount units in the rear of the enclosure.
Vertical Mounting Capabilities	Easily mounts vertically in racks or enclosures and occupies zero U of valuable rack space, which allows more equipment in the rack. Units that mount vertically are optimized to fit in a NetShelter VX enclosures.

## Metered Rack PDU Features & Benefits

### Availability

**Remote Management Capabilities** 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. (Note: Only applicable for units categorized as Networked).

**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.

**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)

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

**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

**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)

### 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 connections** Product family includes a variety of input and output connections to distribute 120V, 208V, or 230V power to multiple outlets. Having a variety 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	20A
Output Connections	(24) NEMA 5-20R
Always on Outlets	24
Overload Protection	No



# Input

Nominal Input Voltage	120V
Input Frequency	50/60 Hz
Regulatory Derated Input Current (North America)	16A
Input Connections	NEMA L5-20P
Cord Length	3.05 meters
Number of Power Cords	1
Maximum Input Current per phase	20A
Load Capacity	1920 VA



# Physical

Net Weight	6.82 KG
Maximum Height	1619.00 mm
Maximum Width	56.00 mm
Maximum Depth	44.00 mm
Shipping Weight	7.73 KG
Shipping Height	2134.00 mm
Shipping Width	152.00 mm
Shipping Depth	127.00 mm
Color	Black

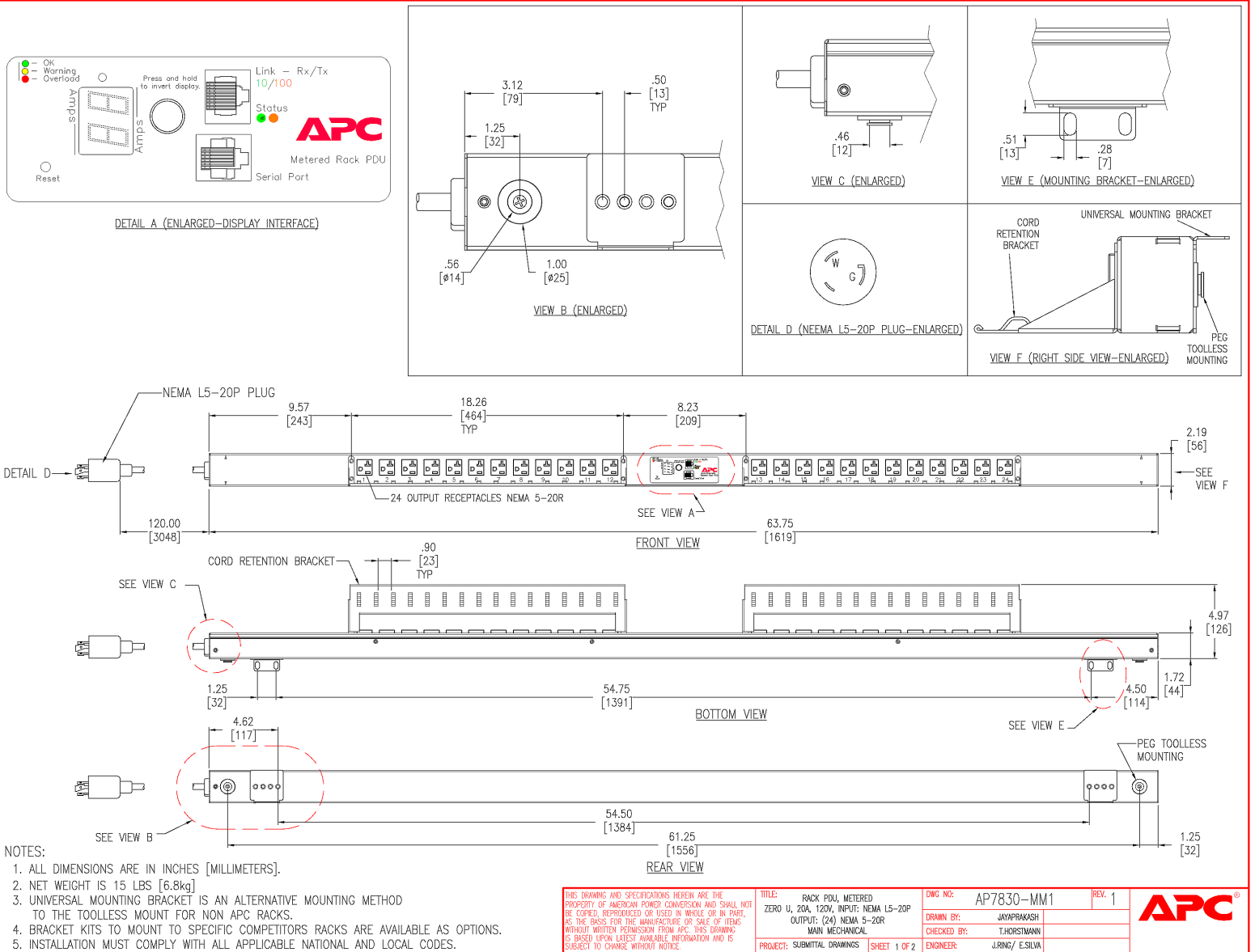
# Environmental

Operating Environment	-5 - 45 °C
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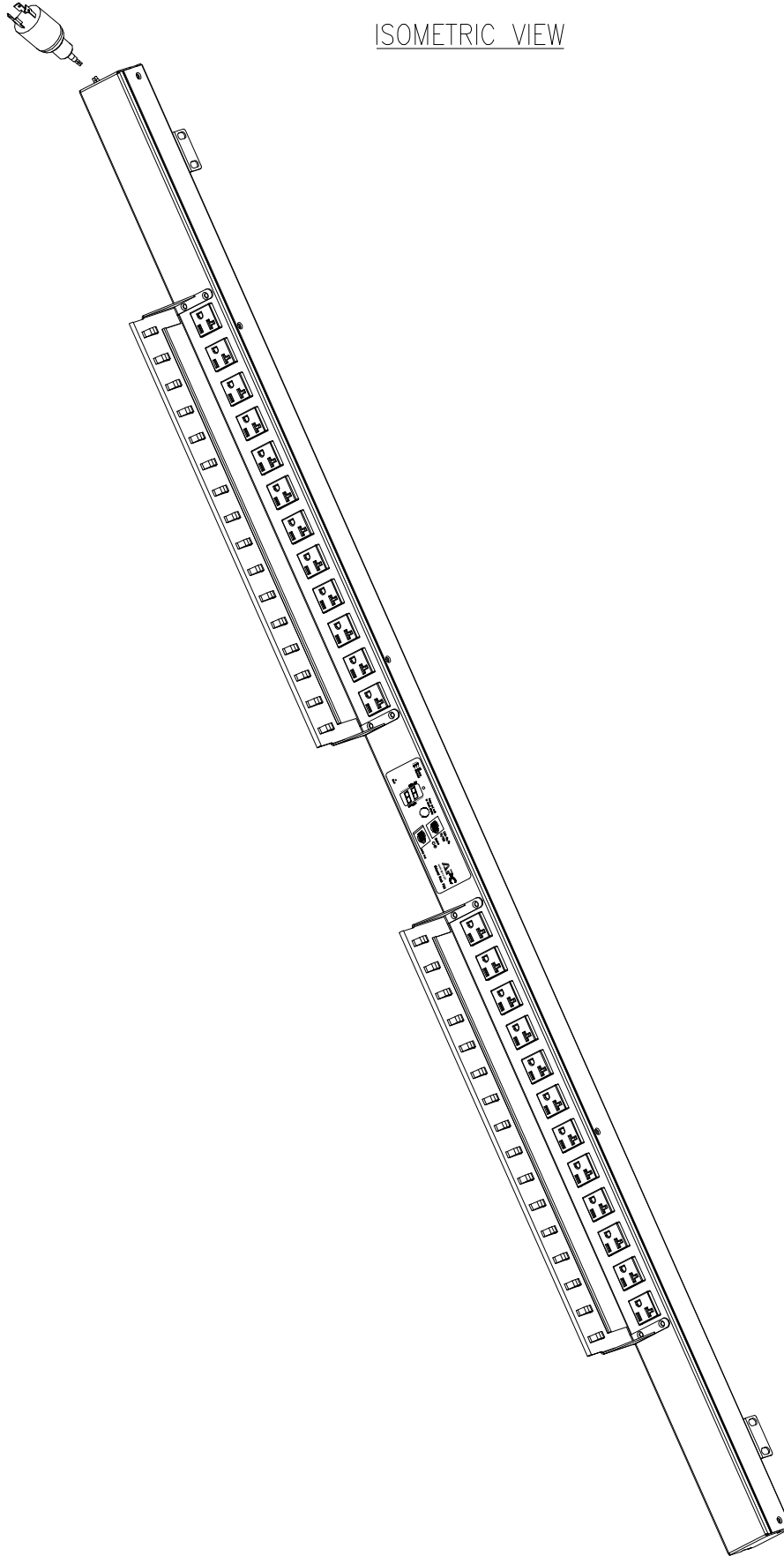
Operating Relative Humidity	0%
Operating Elevation	0-3000 meters
Storage Temperature	-25 - 65 °C
Storage Relative Humidity	0%
Storage Elevation	0-15000 meters

## Conformance

Regulatory Approvals	cUL Listed,CSA C22.2 No. 60950-1-03,FCC Part 15 Class A,ICES-003,Industry Canada,UL 60950-1,UL Listed
Standard Warranty	2 years repair or replace
ROHS/WEEE Compliance	RoHS 7b Exemption



ISOMETRIC VIEW



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TITLE: RACK PDU, METERED  
 ZERO U, 20A, 120V, INPUT: NEMA L5-20P  
 OUTPUT: (24) NEMA 5-20R  
 ISOMETRIC VIEW  
 PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 2

DWG NO:	AP7830-MM2	REV:	1
DRAWN BY:	JAYAPRAKASH	CHECKED BY:	T.HORSTMANN
ENGINEER:	J.RING/ E.SILVA		





by Schneider Electric

## Metered Rack PDU

### Overview

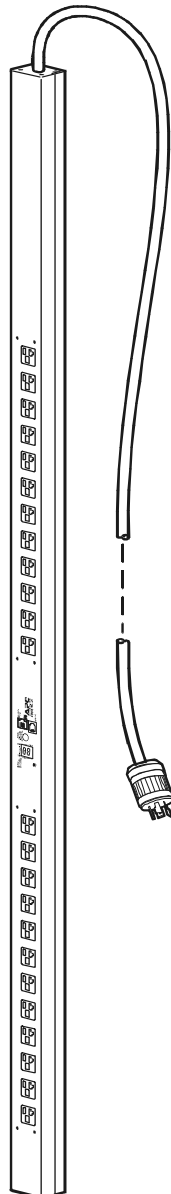
The American Power Conversion (APC®) Metered Rack Power Distribution Unit (PDU) distributes power to devices in the rack. It has a sensor that measures the current used by the PDU and its attached devices. The PDU can be monitored through Web, Telnet, SNMP, SSH, or InfraStruXure™ Central interfaces.

**Outlets.** The Rack PDU has twenty-four (24) NEMA 5-20 outlets.

**Digital display.** A digital display shows the aggregate current used by the Rack PDU.

**Power cord.** The 10-foot (3.05-meter) power cord terminates with a NEMA L5-20 connector.

### AP7830





by Schneider Electric

## Specifications

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### Electrical

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Input connector	NEMA L5-20 plug
Output connectors	(24) NEMA 5-20 outlets
Nominal input voltage	120 VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50/60 Hz

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### Physical

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Dimensions (H × W × D)	63.75 x 2.19 x 1.73 in (161.92 x 5.56 x 4.39 cm)
Shipping dimensions (H × W × D)	84.00 x 6.00 x 5.00 in (213.36 x 15.24 x 12.7 cm)
Weight	9.5 lb (4.3 kg)
Shipping weight	17 lb (7.7 kg)

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### Environmental

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Maximum elevation (above MSL)	
Operating	15,000 ft (4500 m)
Storage	50,000 ft (15 000 m)
Temperature 11/2008	
Operating	23 to 115° F (-5 to 45° C)
Storage	-13 to 149° F (-25 to 65° C)
Humidity	
Operating	5 – 95% RH non-condensing
Storage	5 – 95% RH non-condensing

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### Compliance

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EMC verification	FCC Part 15 Class A ICES-003 Class A
Safety verification	UL 60950 cUL CSA22.2 No. 60950

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