Metered Rack PDU
Rack PDU, Metered, Zero U, 5.7kW,120&208V,(21) 5-20&(6)L6-20

RoHS

APC Metered Rack PDU , Input: 208V 3PH , Input Connections: NEMA L21-20P , Cord Length: 3 feet (0.91 meters) , Output: 120V, 208V , Output Connections: NEMA 5-20R,NEMA L6-20R

Includes: Installation guide, Rack Mounting brackets, Toolless Mounting Kit, User Manual

Standard Lead Time: Usually in Stock

AP7863 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,208V
Maximum Total Current Draw per Phase	20A
Output Connections	(21) NEMA 5-20R
	(6) NEMA L6-20R
Always on Outlets	21
Overload Protection	No

Input

Nominal Input Voltage	208V 3PH
Input Frequency	50/60 Hz
Regulatory Derated Input Current (North America)	16A
Input Connections	NEMA L21-20P
Cord Length	0.91 meters
Number of Power Cords	1
Maximum Input Current per phase	20A
Load Capacity	5700 VA

Physical

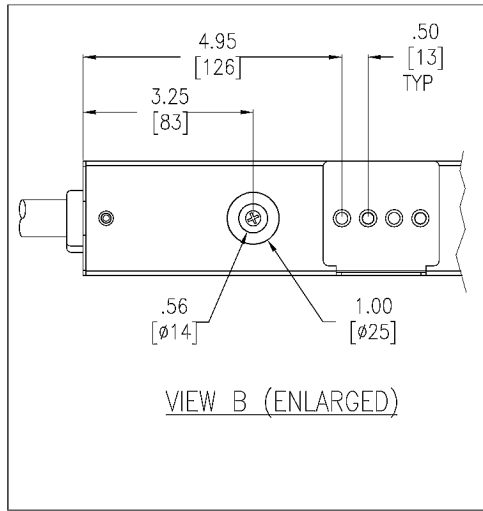|	
Net Weight	5.45 KG
Maximum Height	1778.00 mm
Maximum Width	56.00 mm
Maximum Depth	44.00 mm
Shipping Weight	8.86 KG
Shipping Height	2134.00 mm
Shipping Width	152.00 mm
Shipping Depth	127.00 mm
Color	Black

Environmental

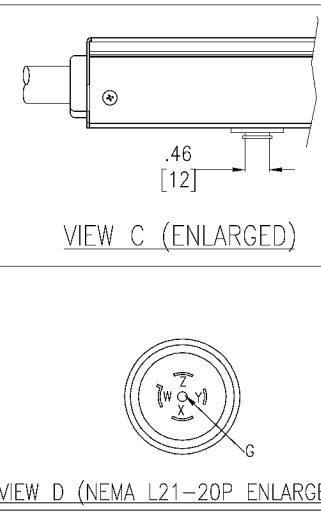|	
Operating Environment	0 - 45 °C
Operating Relative Humidity	0%
Operating Elevation	0-3000 meters
Storage Temperature	-25 - 65 °C
Storage Relative Humidity	0%
Storage Elevation	0-15000 meters

Conformance

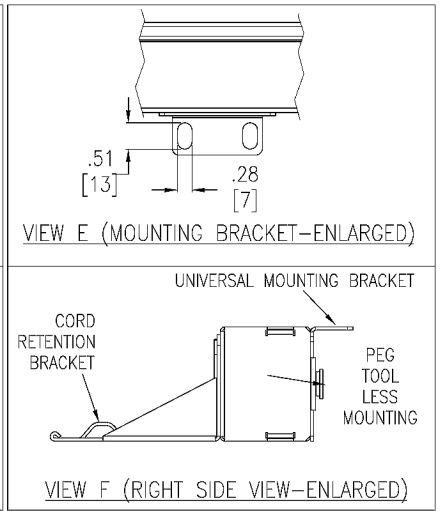|	
Regulatory Approvals	cUL Listed,CSA C22.2 No. 60950-1-03,FCC Part 15 Class A,ICES-003,Industry Canada,UL 60950-1,UL Listed
Standard Warranty	2 years repair or replace
ROHS/WEEE Compliance	RoHS 7b Exemption
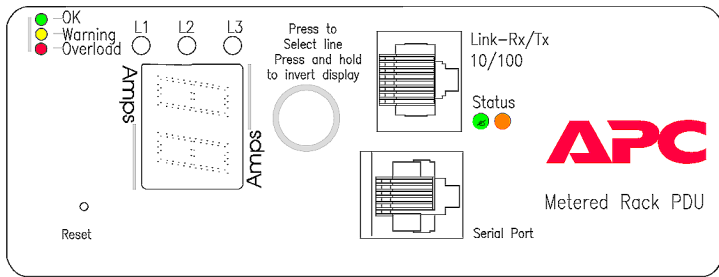
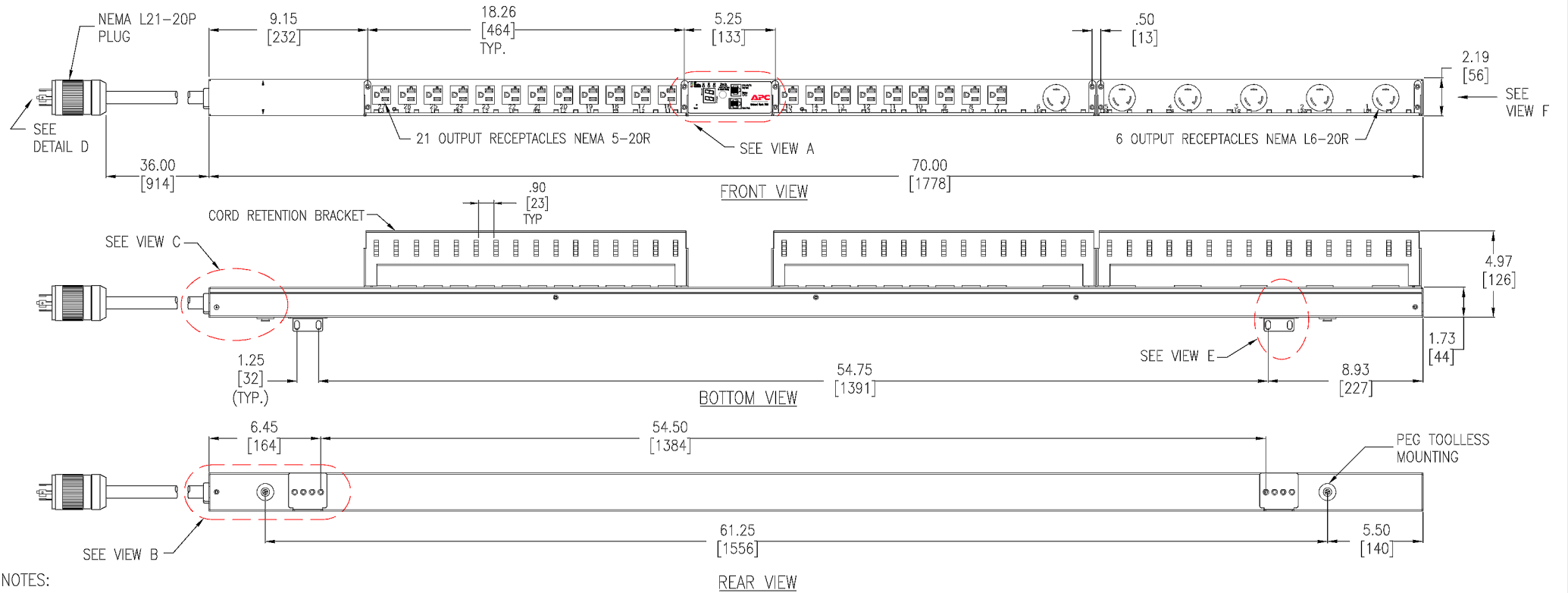## VIEW A (ENLARGED–DISPLAY INTERFACE)

OK
Warning
Overload

L1 L2 L3

Press to Select line
Press and hold to invert display

Amps
Amps

Link–Rx/Tx 10/100

Status

APC

Metered Rack PDU

Reset

Serial Port

VIEW B (ENLARGED)

4.95 [126]

.50 [13] TYP

3.25 [83]

.56 [Ø14]

1.00 [Ø25]

VIEW C (ENLARGED)

.46 [12]

VIEW D (NEMA L21–20P ENLARGED)

W Z V
X
Y
G

VIEW E (MOUNTING BRACKET–ENLARGED)

.51 [13]

.28 [7]

UNIVERSAL MOUNTING BRACKET

CORD RETENTION BRACKET

PEG TOOL LESS MOUNTING

VIEW F (RIGHT SIDE VIEW–ENLARGED)

FRONT VIEW

NEMA L21–20P PLUG

9.15 [232]

18.26 [464] TYP.

5.25 [133]

.50 [13]

2.19 [56]

SEE VIEW F

SEE DETAIL D

21 OUTPUT RECEPTACLES NEMA 5–20R

SEE VIEW A

6 OUTPUT RECEPTACLES NEMA L6–20R

36.00 [914]

70.00 [1778]

BOTTOM VIEW

CORD RETENTION BRACKET

.90 [23] TYP

SEE VIEW C

SEE VIEW E

4.97 [126]

1.73 [44]

1.25 [32] (TYP.)

54.75 [1391]

8.93 [227]

REAR VIEW

6.45 [164]

54.50 [1384]

PEG TOOLLESS MOUNTING

SEE VIEW B

61.25 [1556]

5.50 [140]

NOTES:
1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
2. NET WEIGHT IS 12 LBS [5.5kg]
3. UNIVERSAL MOUNTING BRACKET IS AN ALTERNATIVE MOUNTING METHOD TO THE TOOLLESS MOUNT FOR NON APC RACKS.
4. BRACKET KITS TO MOUNT TO SPECIFIC COMPETITORS RACKS ARE AVAILABLE AS OPTIONS.
5. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

TITLE:	RACK PDU, METERED ZERO U, 5.7kW, 120 & 208V INPUT:NEMA L21–20P OUTPUT:(21)NEMA 5–20R & (6)NEMA L6–20R MAIN MECHANICAL	DWG NO:	AP7863-MM1	REV. 1
		DRAWN BY:	JAYAPRAKASH	
		CHECKED BY:	T.HORSTMANN	
PROJECT: SUBMITTAL DRAWING	SHEET 1 OF 2	ENGINEER:	J.RING/ E.SILVA	

APC®
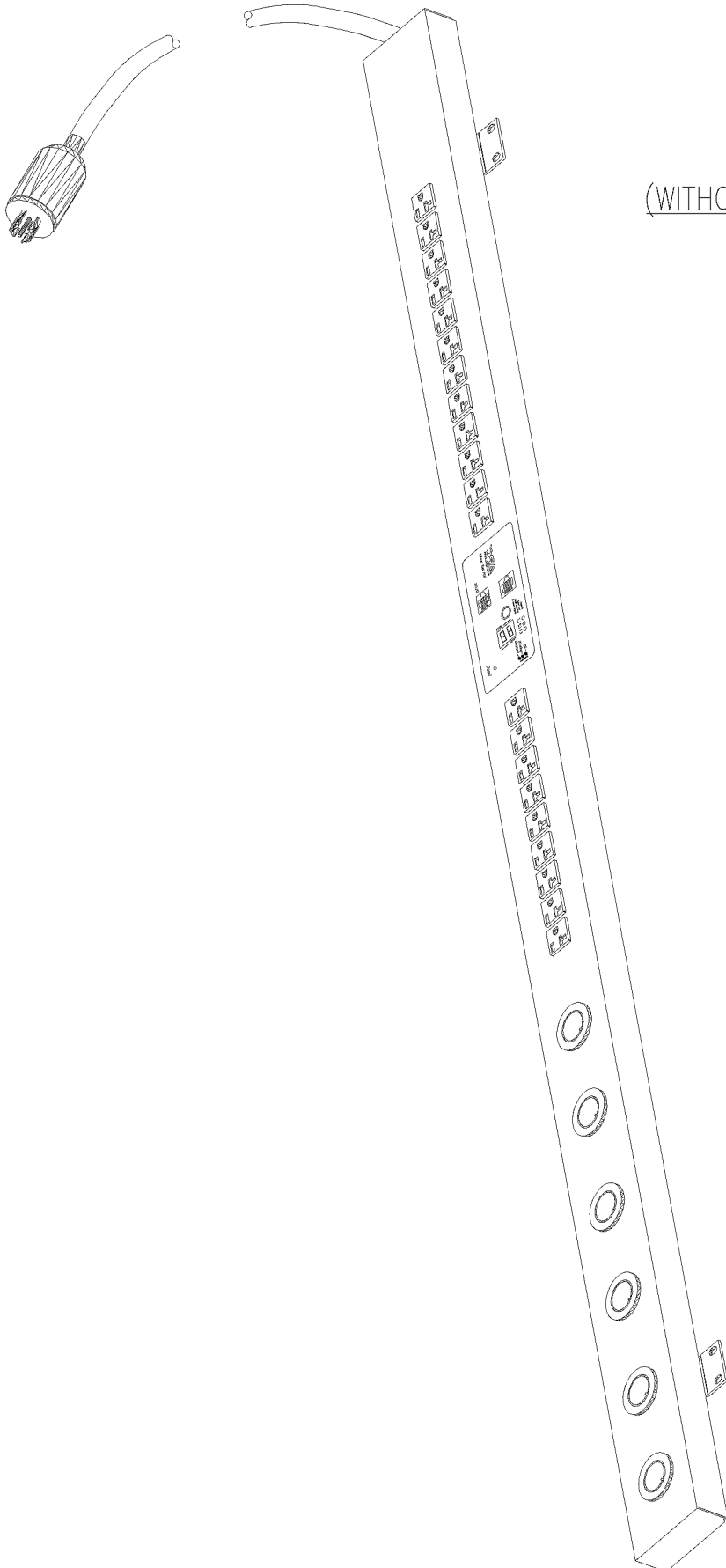
ISOMETRIC VIEW
(WITHOUT CORD RETENTION BRACKET)

TITLE:	RACK PDU, METERED ZERO U, 5.7kW, 120 & 208V INPUT:NEMA L21-20P OUTPUT:(21)NEMA 5-20R & (6)NEMA L6-20R ISOMETRIC VIEW
PROJECT: SUBMITTAL DRAWING	SHEET 2 OF 2

|	
DWG NO:	AP7863-MM2 REV. 1
DRAWN BY:	JAYAPRAKASH
CHECKED BY:	T.HORSTMANN
ENGINEER:	J.RING/ E.SILVA

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Metered Rack PDU

Overview

The American Power Conversion® Metered Rack PDU distributes power to devices in the rack. It has a sensor that measures the current that it and its attached devices use. It can be monitored through Web, Telnet, SNMP, SSH, or InfraStruXure™ Manager interfaces.

Outlets. The Rack PDU has twenty-one (21) NEMA 5-20 outlets and six (6) NEMA L6-20 outlets.

Display interface. A digital display shows aggregate current being used by the Rack PDU.

Power cord. The 3-foot (0.91-meter) power cord terminates with a NEMA L21-20 connector.

AP7863

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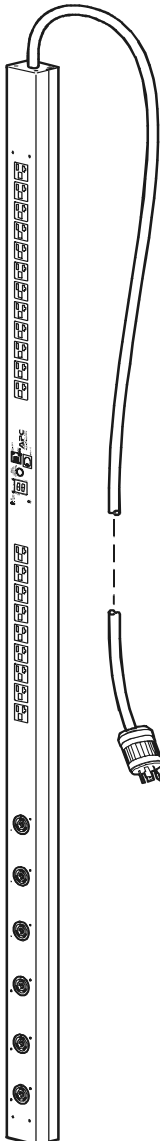
Specifications for AP7863

Electrical

Input connector	NEMA L21-20 plug
Output connectors	(21) NEMA 5-20 outlets, (6)NEMA L6-20 outlets
Nominal input voltage	120/208 VAC 3-phase
Acceptable input voltage	± 10% of normal voltage
Input frequency	47– 63 Hz

Physical

(H × W × D)	70.00×2.19×1.73 in (177.80×5.56×4.39 cm)
Shipping dimensions (H × W × D)	84.00×6.00×5.00 in (213.36×15.24×12.7 cm)
Weight	12 lb (5.4 kg)
Shipping weight	19.5 lb (8.8 kg)

Environmental

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

Compliance

EMC verification	FCC Part 15 Class A ICES-003 Class A
Safety verification	UL, cUL 60950

990-1952

CERTIFIED
InfraStruXure
by APC