Technical Specifications / Engineering Submittals
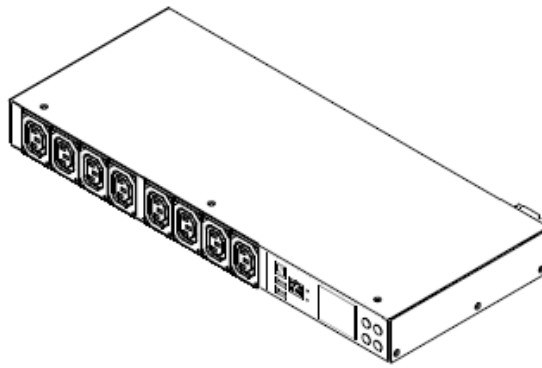Raritan Model Number: PX3-5180JR   rev20230817

LINE DRAWING

FEATURES

Energy Metering	Voltage (V), Current (A), Active Power (kW), Real Power (kVA), Energy (kWh), Power Factor
Metering Accuracy	ISO/IEC 62053-21 1% (see page 3 for details)
Metering per Input Line	Yes
Metering per Branch Circuit Breaker	No
Metering per Output Receptacle	Yes
Remote Outlet Switching	Yes
Environmental Sensor Ready	Yes
Replaceable Controller	No
Compatible Sensors	Temperature, Humidity, Air Flow, Differential Pressure, Water Leak, and Contact Closure
Networking	Gigabit (10/100/1000 BaseT) Ethernet port; secondary, redundant (10/100 BaseT) Ethernet port. Optional WiFi (802.11a/b/g/n)
Remote Management	HTTP(s); SSH; Telnet; RS-232 (Serial); Power IQ; SNMP version v2/v3; SMTP; JSON-RPC; Modbus over TCP
Cascading	Yes, Max 16 PDUs can be daisy chained using a single Ethernet or USB connection
Onboard Display	Color, matrix LCD display : Voltage, current, or active power (per line, or per receptacle /outlet); Alarms; Configuration information (name, ratings, IP / Networking information)
Embedded Processor	ARM Cortex A5 536MHZ (Atmel A5D35A), 16MB SPI Flash, 64MB DDR2 RAM

Raritan

A brand of legrand

Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-5180JR

INPUT

Input Plug	NEMA L6-20P (2P3W)
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Rear feed
Cable Type	IP44("splashproof")
Number of Power Cords	1
Maximum Input Current	20A
Nominal Input Voltage	200V
Rated Input Voltage	200 - 200V
Input Frequency	50/60Hz
Power Capacity	4.0kVA at 200V, 4.0kVA at 200V

OUTPUT

Nominal Output Voltage	200V
Rated Output Voltage	200 - 200V
Receptacles (Output Connections)	(8) IEC320 C13, 10A
Securelock Support	Yes
Cord Retention	No
Overload Protection	N/A

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	17.3" x 7.2" x 1.7" ; 440mm x 183mmx 44mm
Unit Weight	3 kg
Shipping Weight	5.5 kg
Shipping Dimensions (WxDxH)	22.44" x 16.34" x 12.6" ; 570mm x 415mm x 320mm
Mounting	RACK-KIT-DPX-1U

Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-5180JR

ENVIRONMENTAL

Operating Temperature	60°C
Operating Relative Humidity	85%
Operating Elevation	0-10000ft

CONFORMANCE

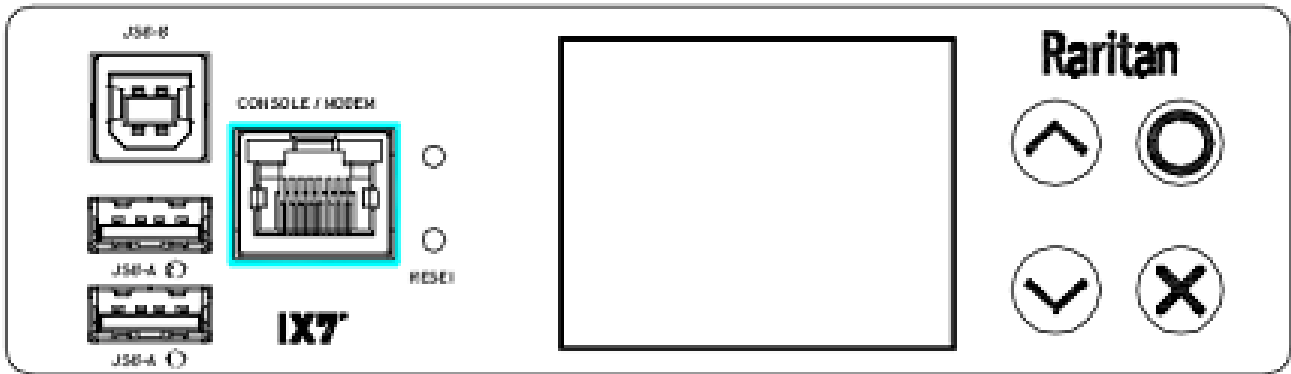|	
Regulatory Approvals	PSE, Canada ICES-003, Part 15 Class A of the FCC rules RoHS compliant
Warranty	Standard 2 years manufacturer warranty

ACCURACY

	Input Measurement	Output Measurement
LCD & GUI Current	±1% at 0.1 A resolution	±1% at 0.1 A resolution
Voltage	±1% at 0.1 V resolution	±1% at 0.1 V resolution
Active Power	±1% at 1 W resolution	±1% at 1 W resolution
Apparent Power	±1% at 1 VA resolution	±1% at 1 VA resolution
Power Factor	±1% at 0.1 resolution	±1% at 0.1 resolution
Active Energy	±1% at 0.1 kWh resolution	±1% at 0.1 kWh resolution

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5180JR rev20230817

CONTROL PANEL
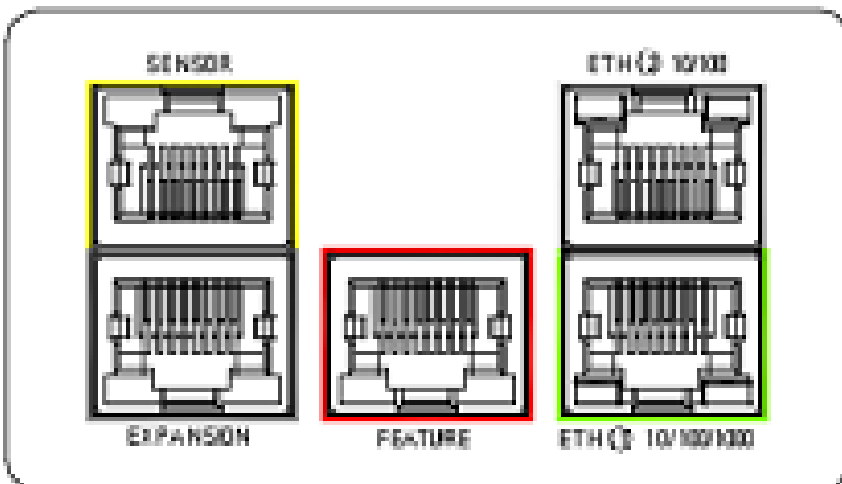
USB-B

CONSOLE / MODEM

USB-A

USB-A

RESET

IX7"

Raritan

CONTROL PANEL2

SENSOR

ETH 10/100

EXPANSION

FEATURE

ETH 10/100/1000

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5180JR

ELECTRICAL (ONE LINE) DIAGRAM

MODULE 1

L1
G
L2

| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 |

MSP430 1 - 4~1   MSP430 2 - 4~1

4 3 2 1   4 3 2 1
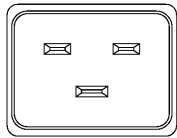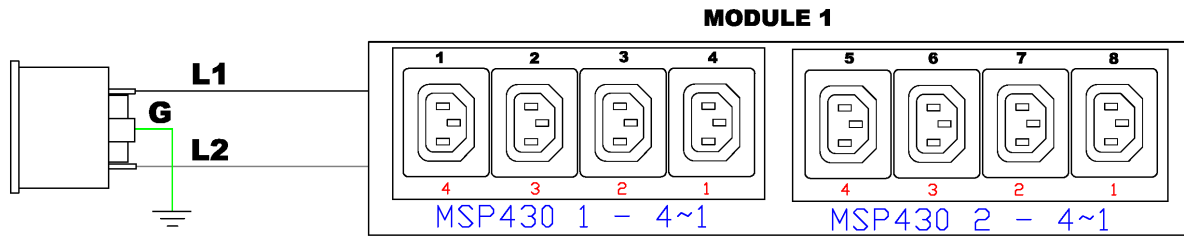
IEC60320 C20

IEC60320 C19

PXI-PSE-L620PC19L
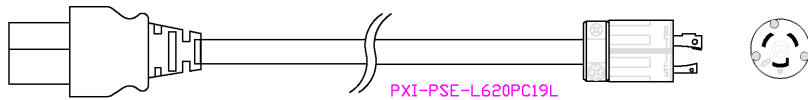
NEMA L6-20P(PSE)

Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-5180JR

MECHANICAL DIAGRAM

NEMA L6-20P PSE

VIEW A

VIEW B

305.58 [12.03"]

43.60 [1.72"]

Rear

See VIEW C

See VIEW A

VIEW C(Rotated 180 degrees)

VIEW D

TOP

183 [7.2"]

44 [1,7"]

Front

440 [17,3"]

See VIEW D

See VIEW B

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. PLEASE REFER TO PRODUCT DOCUMENTATION FOR FURTHER INFORMATION.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLITERS (INCHES).
4. MOUNTING BUTTON IS AN ALTERNATIVE MOUNTING METHOD TO THE TOOLESS MOUNT FOR 3RD PARTY ENCLOSURE.
   BUTTON IS PROVIDED WITH THE UNIT. DETAILED INSTALLATION INSTRUCTIONS CAN BE FOUND IN THE PROVIDED MANUAL.
5. BRACKET KITS TO MOUNT TO SPECIFIC 3RD PARTY ENCLOSURES ARE AVAILABLE AS OPTIONS.
6. RARITAN STANDARD LENGTH OF THE CORD IS 3000MM+/-20MM
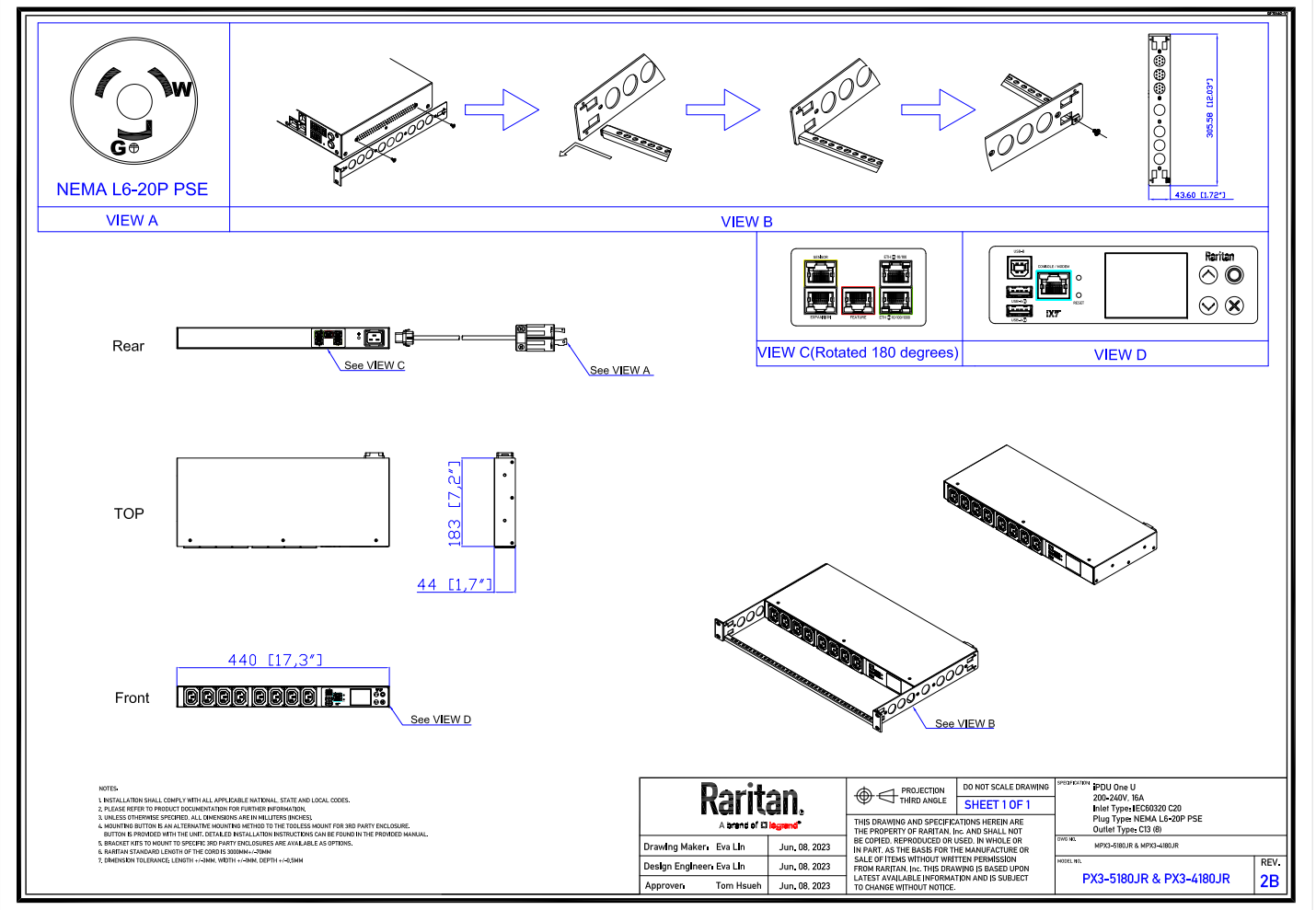7. DIMENSION TOLERANCE: LENGTH +/-8MM, WIDTH +/-4MM, DEPTH +/-0,5MM

		PROJECTION THIRD ANGLE	DO NOT SCALE DRAWING	SPECIFICATION: PDU One U
			SHEET 1 OF 1	200-240V, 16A
Drawing Maker: Eva Lin	Jun. 08, 2023	THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF RARITAN, Inc. AND SHALL NOT BE COPIED, REPRODUCED OR USED, IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM RARITAN, Inc. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.	Inlet Type: IEC60320 C20 Plug Type: NEMA L6-20P PSE Outlet Type: C13 (8)	
Design Engineer: Eva Lin	Jun. 08, 2023		DWG NO. MPX3-5180JR & MPX3-4180JR	
Approver: Tom Hsueh	Jun. 08, 2023		MODEL NO. PX3-5180JR & PX3-4180JR	REV. 2B

TRIP CURVE

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