Technical Specifications / Engineering Submittals
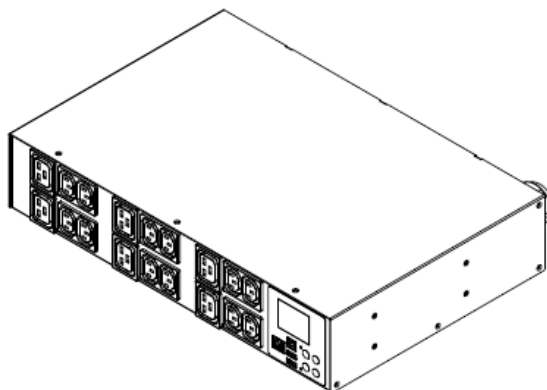Raritan Model Number: PX3-4906R   rev20250625

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	Yes
Metering per Output Receptacle	Yes
Remote Outlet Switching	No
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 32 PDUs can be daisy chained using a USB connection and 32 PDUs using Ethernet connection
Onboard Display	Color, matrix LCD display : Voltage, current, or active power (per line, per breaker, 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

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Raritan Model Number: PX3-4906R

INPUT

Input Plug	IEC 60309 3P+N+E 6h 32A (4P5W), IP44
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Rear feed
Cable Type	N-S LSOH 5G6.0
Number of Power Cords	1
Maximum Input Current	32A
Nominal Input Voltage	400V 3 phase
Rated Input Voltage	380 - 415V 3 phase
Input Frequency	50/60Hz
Power Capacity	21.1kVA at 380V, 23.0kVA at 415V

OUTPUT

Nominal Output Voltage	230V
Rated Output Voltage	220 - 240V
Receptacles (Output Connections)	(12) IEC320 C13, 10A (6) IEC320 C19, 16A
Securelock Support	Yes
Cord Retention	No
Overload Protection	(6) Airpax LEGBX6-37483-16-V, 5KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	17.3" x 11.5" x 3.5" ; 440mm x 293mm x 88mm
Unit Weight	9.9 kg
Shipping Weight	14.1 kg
Shipping Dimensions (WxDxH)	22.05" x 21.73" x 11.18" ; 560mm x 552mm x 284mm
Mounting	RACK-KIT-PX-2U

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ENVIRONMENTAL

Operating Temperature	60°C
Operating Relative Humidity	85%
Operating Elevation	0-6000ft

CONFORMANCE

Regulatory Approvals	CE, 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
Branch Measurement		
Current	±1% at 0.1 A resolution	

Raritan

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Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-4906R
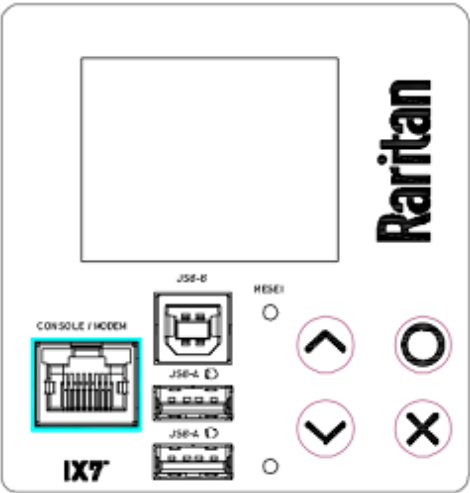
CONTROL PANEL

CONTROL PANEL2
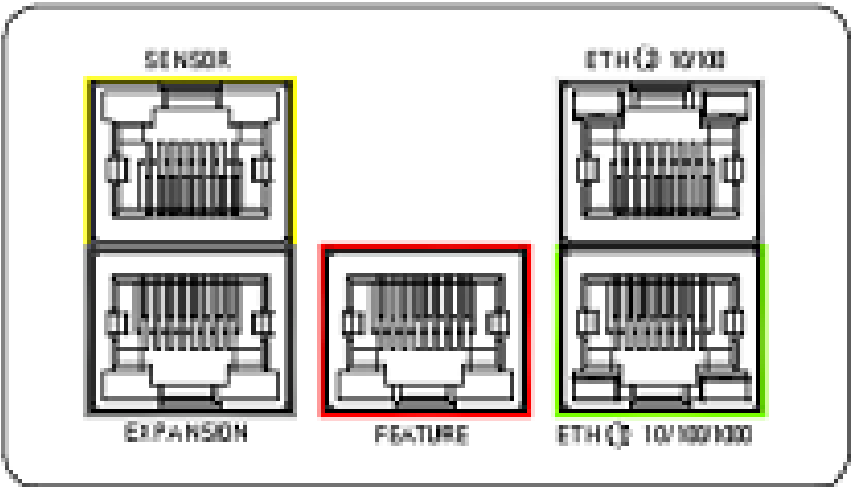
Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-4906R

ELECTRICAL (ONE LINE) DIAGRAM
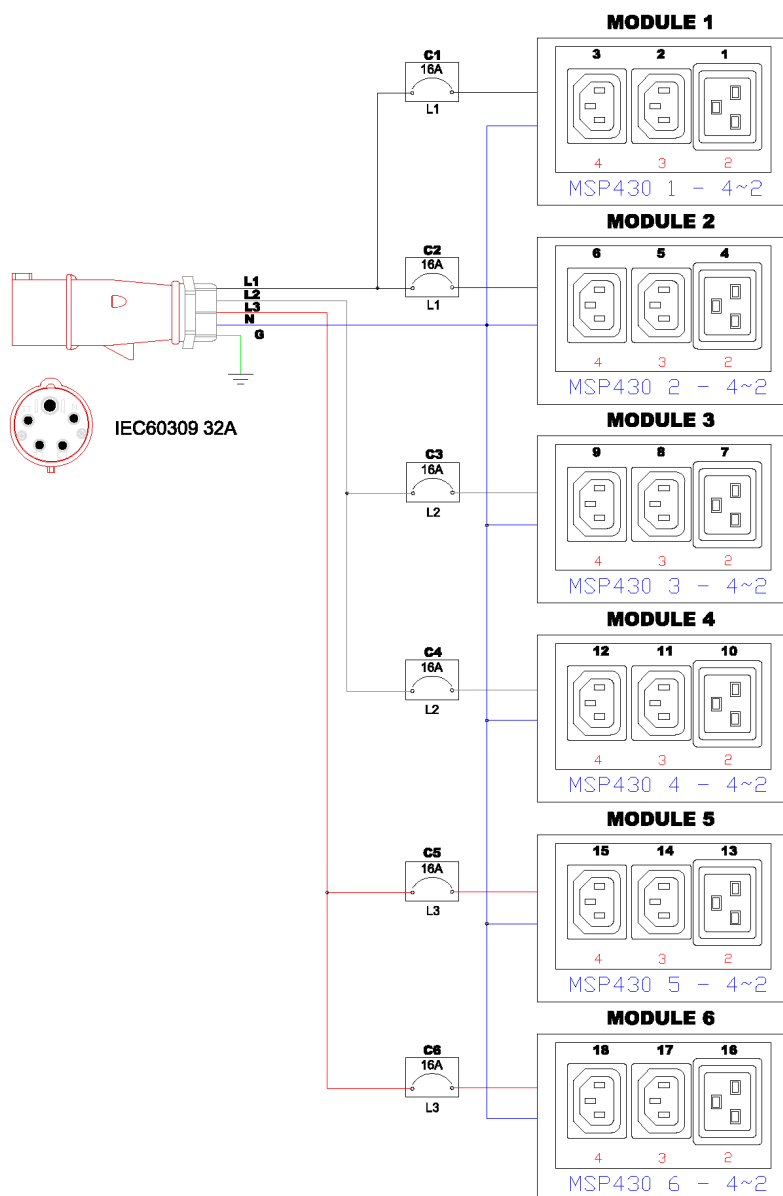
IEC60309 32A

MODULE 1
C1 16A
L1
3 2 1
4 3 2
MSP430 1 - 4~2

MODULE 2
C2 16A
L1
6 5 4
4 3 2
MSP430 2 - 4~2

MODULE 3
C3 16A
L2
9 8 7
4 3 2
MSP430 3 - 4~2

MODULE 4
C4 16A
L2
12 11 10
4 3 2
MSP430 4 - 4~2

MODULE 5
C5 16A
L3
15 14 13
4 3 2
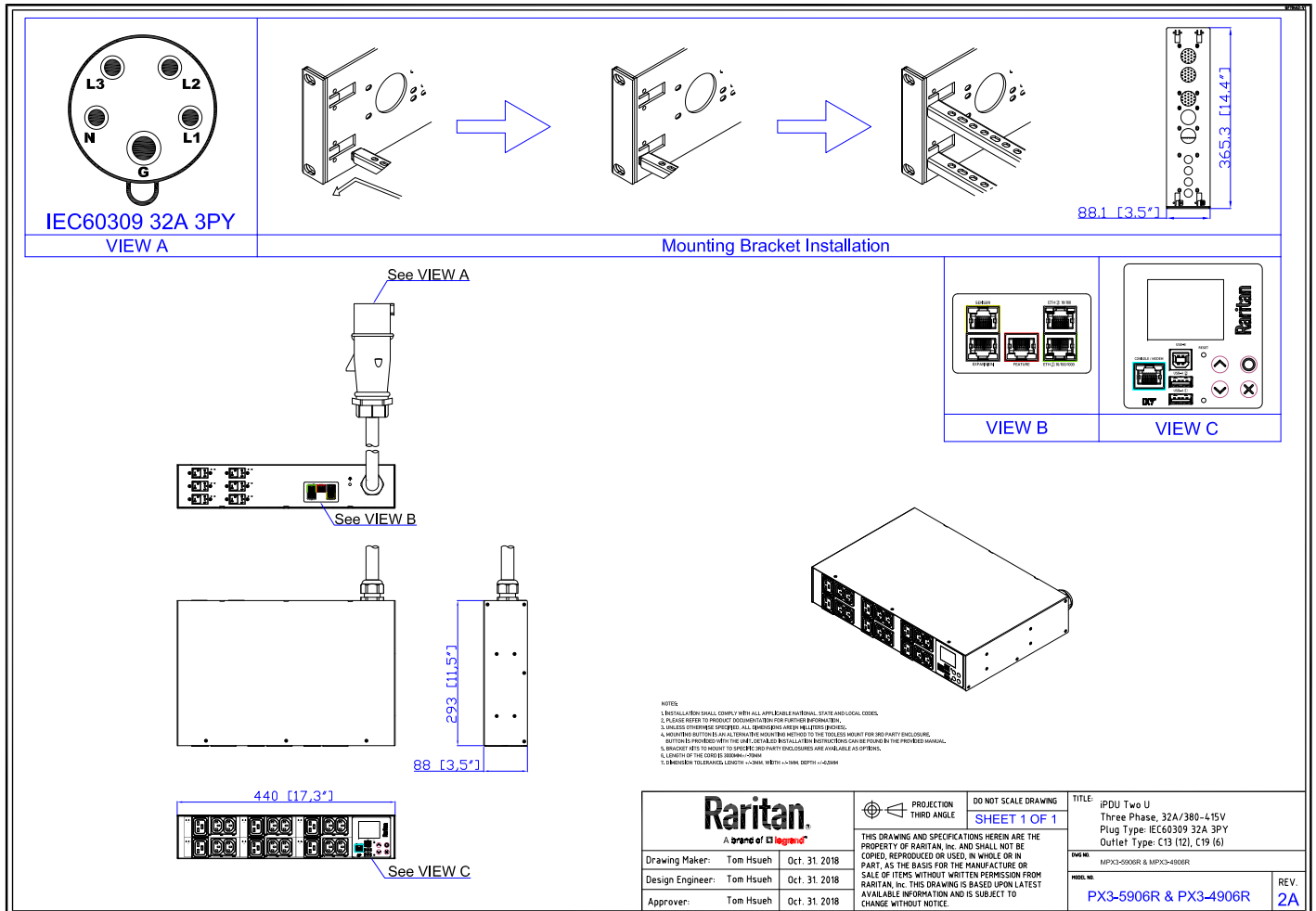MSP430 5 - 4~2

MODULE 6
C6 16A
L3
18 17 16
4 3 2
MSP430 6 - 4~2

L1
L2
L3
N
G

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MECHANICAL DIAGRAM

IEC60309 32A 3PY

VIEW A

Mounting Bracket Installation

365.3 [14.4"]

88.1 [3.5"]

See VIEW A

See VIEW B

VIEW B

VIEW C

293 [11.5"]

88 [3.5"]

440 [17,3"]

See VIEW C

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 MILLIMETERS [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. LENGTH OF THE CORD IS 3000MM+/-70MM.
7. DIMENSION TOLERANCE LENGTH +/-3MM, WIDTH +/-1MM, DEPTH +/-0,5MM

PROJECTION THIRD ANGLE	DO NOT SCALE DRAWING
	SHEET 1 OF 1

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Drawing Maker:	Tom Hsueh	Oct. 31. 2018
Design Engineer:	Tom Hsueh	Oct. 31. 2018
Approver:	Tom Hsueh	Oct. 31. 2018

TITLE: iPDU Two U
Three Phase, 32A/380-415V
Plug Type: IEC60309 32A 3PY
Outlet Type: C13 (12), C19 (6)

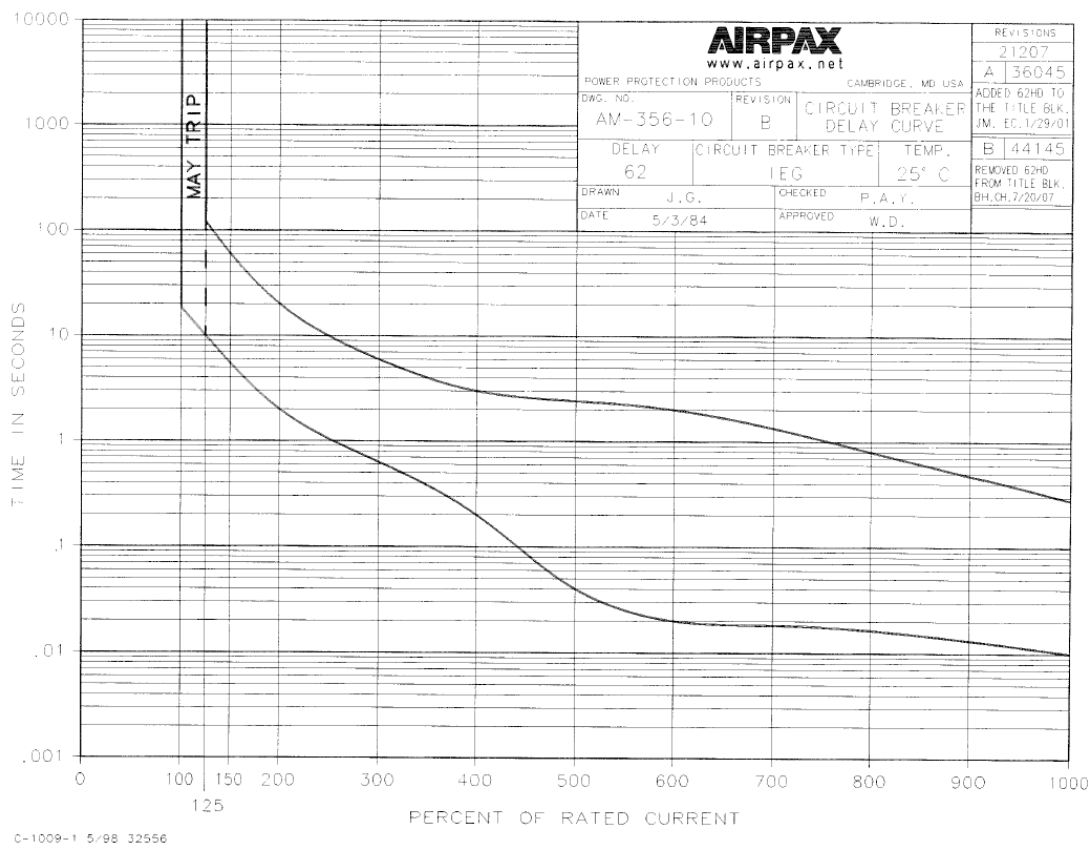DWG NO. MPX3-5906R & MPX3-4906R

MODEL NO. PX3-5906R & PX3-4906R

REV. 2A

Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-4906R

rev20250625

TRIP CURVE

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