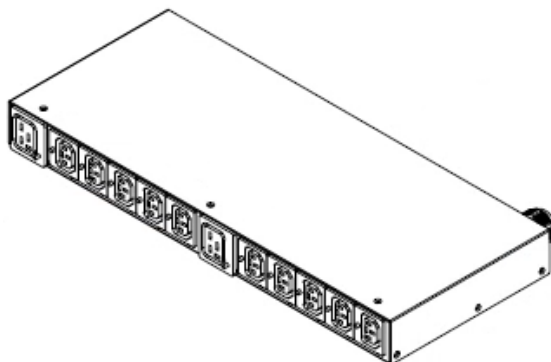# Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5296A1R-E2   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	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 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

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5296A1R-E2

INPUT

Input Plug	Clipsal 56P332 (2P3W), IP66
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Rear feed
Cable Type	N-S LSOH 3G6.0
Number of Power Cords	1
Maximum Input Current	32A
Nominal Input Voltage	240V
Rated Input Voltage	240 - 240V
Input Frequency	50/60Hz
Power Capacity	7.7kVA at 240V, 7.7kVA at 240V

OUTPUT

Nominal Output Voltage	240V
Rated Output Voltage	240 - 240V
Receptacles (Output Connections)	(10) IEC60320 C13 Locking, 10A (2) IEC60320 C19 Locking, 16A
Securelock Support	Yes
Cord Retention	No
Overload Protection	(2) LEGBX6-16, 5KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	17.3" x 7.2" x 1.7" ; 440mm x 183mm x 44mm
Unit Weight	4.9 kg
Shipping Weight	7.35 kg
Shipping Dimensions (WxDxH)	21.65" x 14.65" x 8.19" ; 550mm x 372mm x 208mm
Mounting	RACK-KIT-DPX-1U

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5296A1R-E2

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	

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5296A1R-E2   rev20250625
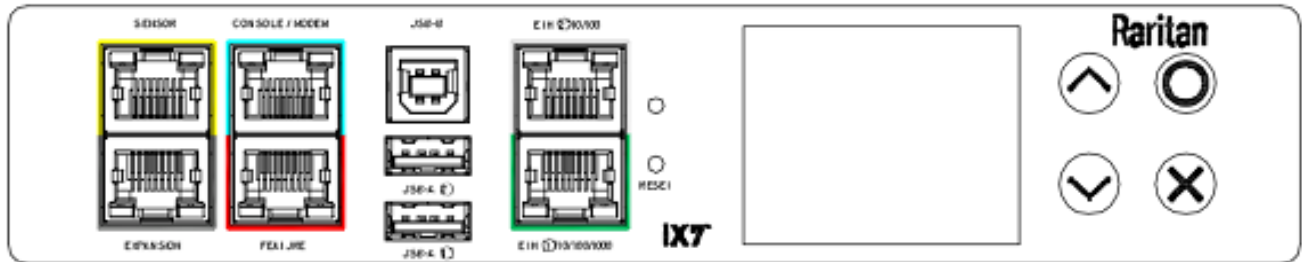
Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5296A1R-E2

ELECTRICAL (ONE LINE) DIAGRAM

MODULE 1

CLIPSAL
56P332

6   5   4   3   2   1

2   1   4   3   2   1

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

MODULE 2
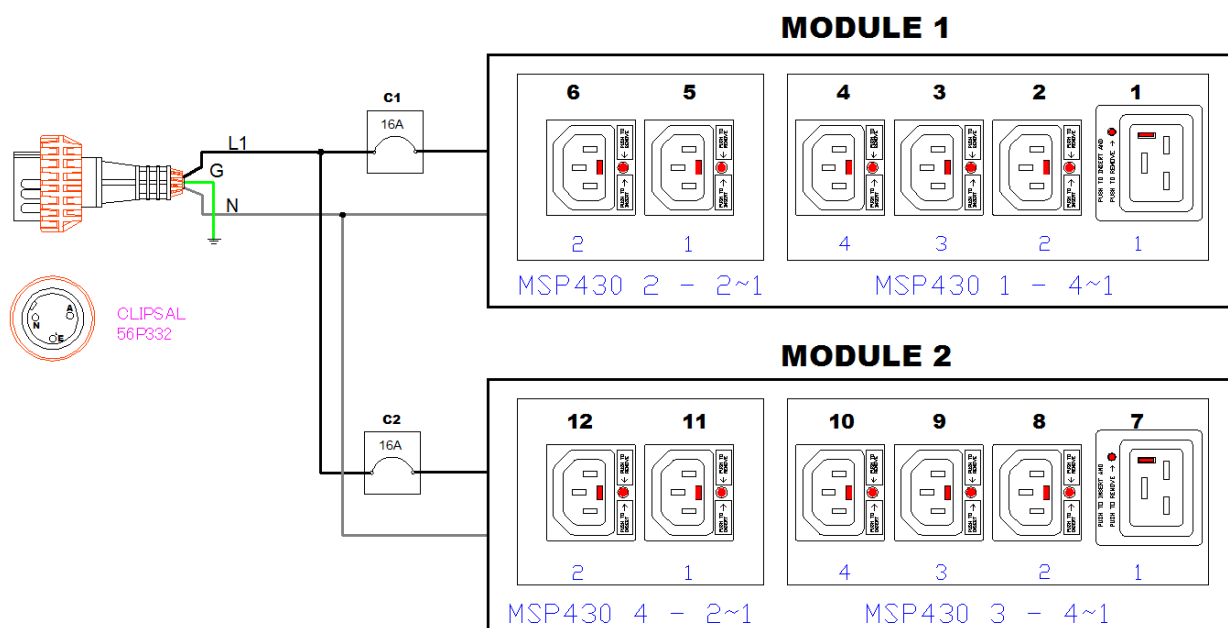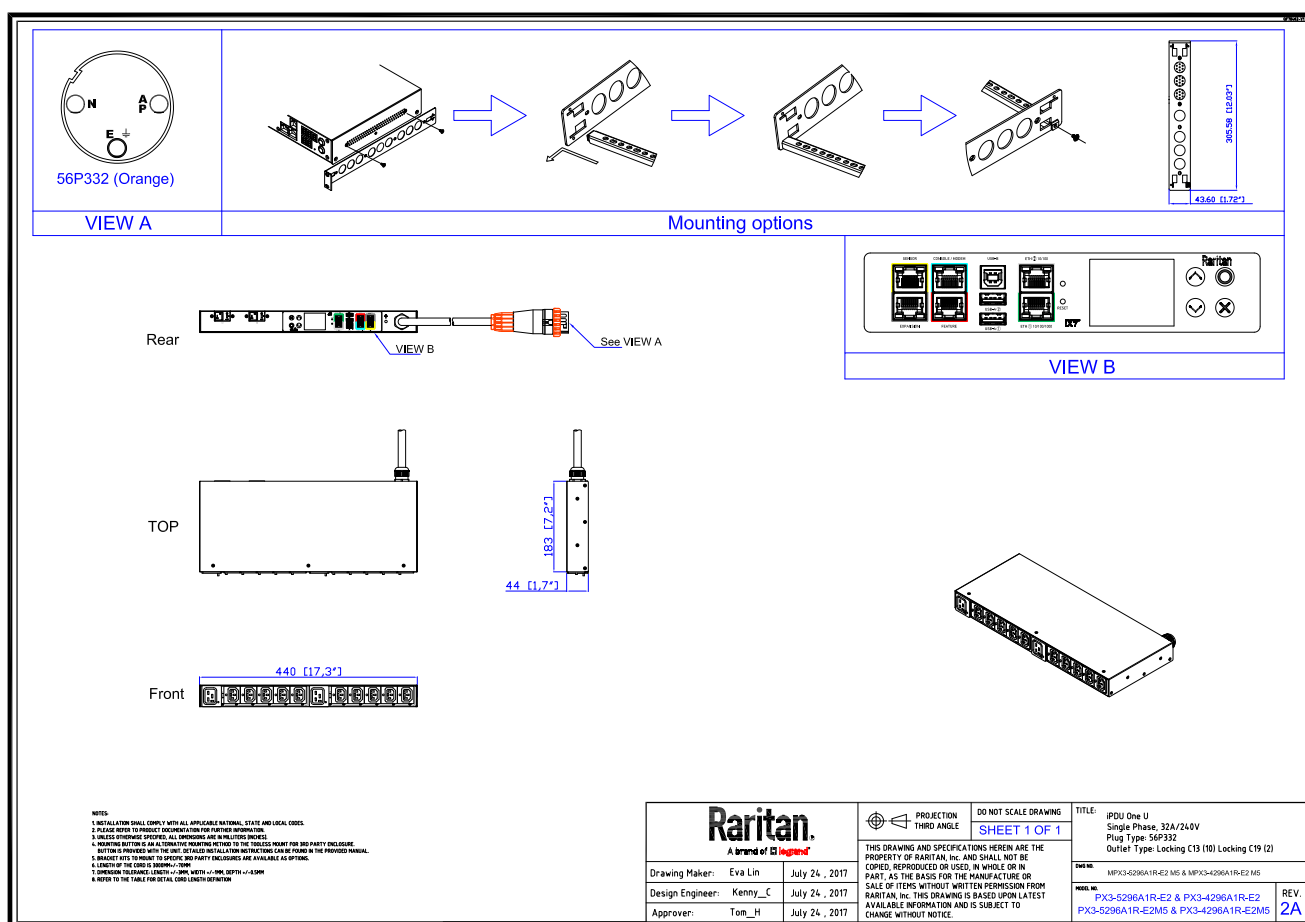
12   11   10   9   8   7

2   1   4   3   2   1

MSP430 4 - 2~1   MSP430 3 - 4~1

C1 16A
C2 16A

L1
G
N

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5296A1R-E2

MECHANICAL DIAGRAM

56P332 (Orange)

VIEW A
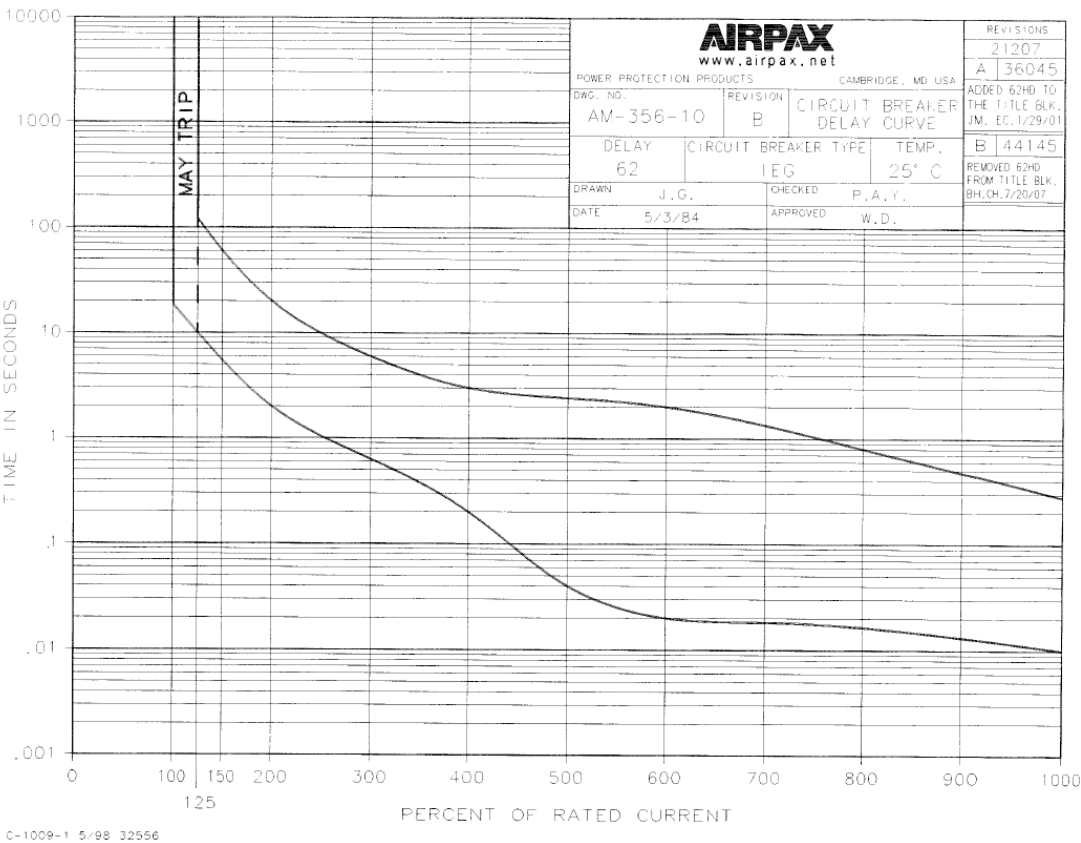
Mounting options

365.58 [12.03"]

43.60 [1.72"]

Rear

See VIEW A

VIEW B

VIEW B

TOP

183 [7.2"]

44 [1.7"]

Front

440 [17.3"]

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 TOBLESS 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
8. REFER TO THE TABLE FOR DETAIL CORD LENGTH DEFINITION

			PROJECTION THIRD ANGLE	DO NOT SCALE DRAWING	TITLE:	iPDU One U
				SHEET 1 OF 1		Single Phase, 32A/240V
						Plug Type: 56P332
						Outlet Type: Locking C13 (10) Locking C19 (2)

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Drawing Maker:	Eva Lin	July 24 , 2017
Design Engineer:	Kenny_C	July 24 , 2017
Approver:	Tom_H	July 24 , 2017

DWG NO. MPX3-5296A1R-E2 M5 & MPX3-4296A1R-E2 M5

MODEL NO. PX3-5296A1R-E2 & PX3-4296A1R-E2
PX3-5296A1R-E2M5 & PX3-4296A1R-E2M5

REV. 2A

TRIP CURVE

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