Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-5028A3-E2V2   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	Yes
Compatible Sensors	Temperature, Humidity, Air Flow, Differential Pressure, Water Leak, and Contact Closure
Networking	Gigabit (10/100/1000 BaseT) Ethernet port; secondary, redundant (10/100/1000 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); Auto-flip orientation
Embedded Processor	ARM Cortex A5 536MHZ (Atmel A5D35A), 16MB SPI Flash, 64MB DDR2 RAM

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Raritan Model Number: PX3-5028A3-E2V2 rev20250625

INPUT

Input Plug	Clipsal 56P532 (4P5W), IP66
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Bottom-front feed
Cable Type	N-S LSOH 5G6.0
Number of Power Cords	1
Maximum Input Current	32A
Nominal Input Voltage	415V 3 phase
Rated Input Voltage	415 - 415V 3 phase
Input Frequency	50/60Hz
Power Capacity	23.0kVA at 415V, 23.0kVA at 415V

OUTPUT

Nominal Output Voltage	240V
Rated Output Voltage	240 - 240V
Receptacles (Output Connections)	(15) IEC60320 C13 Locking, 10A (9) IEC60320 C19 Locking, 16A
Securelock Support	Yes
Cord Retention	No
Overload Protection	(9) Airpax LEGBX6-37483-16-V, 5KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	2.1" x 2.8" x 75.2" ; 52mm x 71mm x 1911mm
Unit Weight	8.4 kg
Shipping Weight	11.1 kg
Shipping Dimensions (WxDxH)	10.24" x 4.53" x 81.1" ; 260mm x 115mm x 2060mm
Mounting	G2-RACK-FOR-ZU

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5028A3-E2V2

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: PX3-5028A3-E2V2

CONTROL PANEL

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5028A3-E2V2

ELECTRICAL (ONE LINE) DIAGRAM

CLIPSAL 56P532 (Gray)

MODULE 4 — MSP430 4 − 4~1
MODULE 1 — MSP430 1 − 4~1
MODULE 5 — MSP430 5 − 4~1
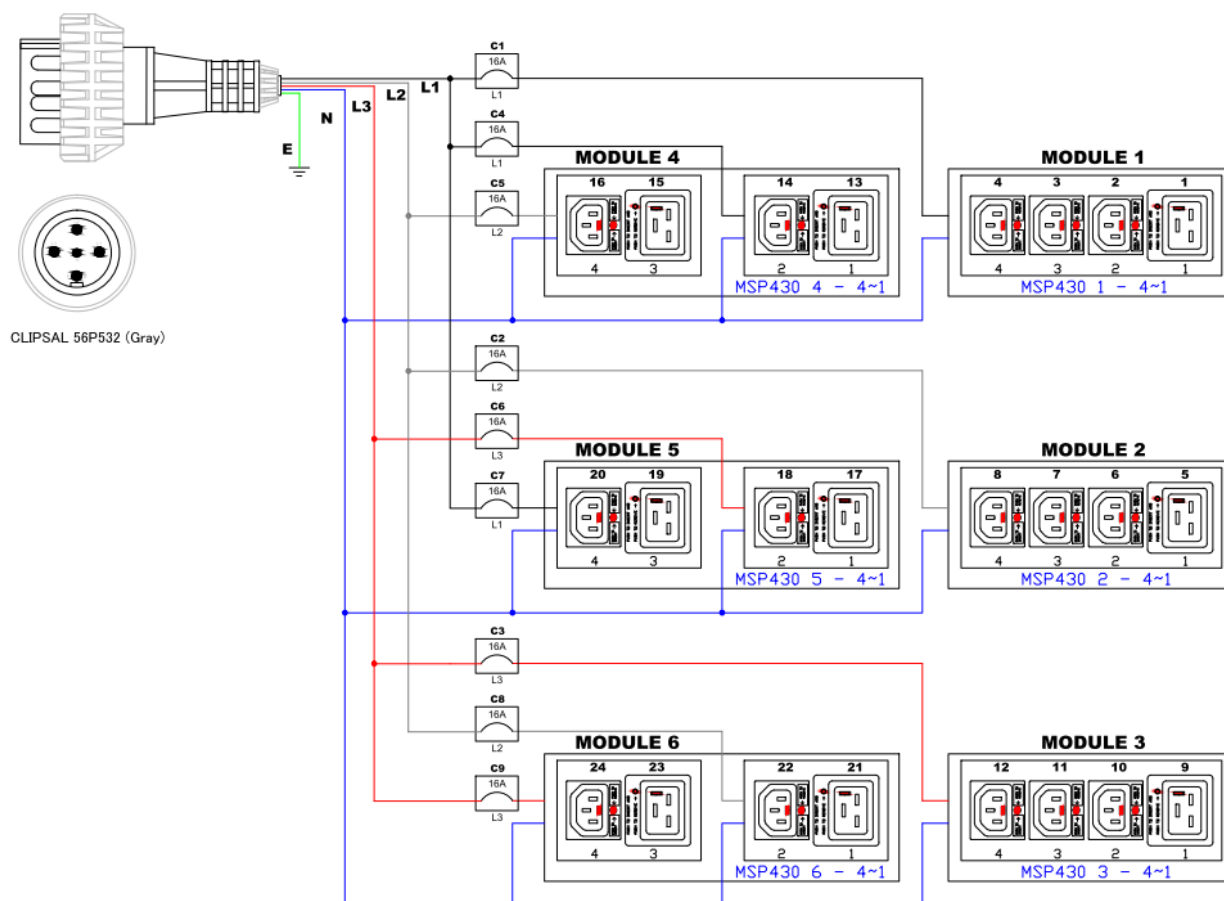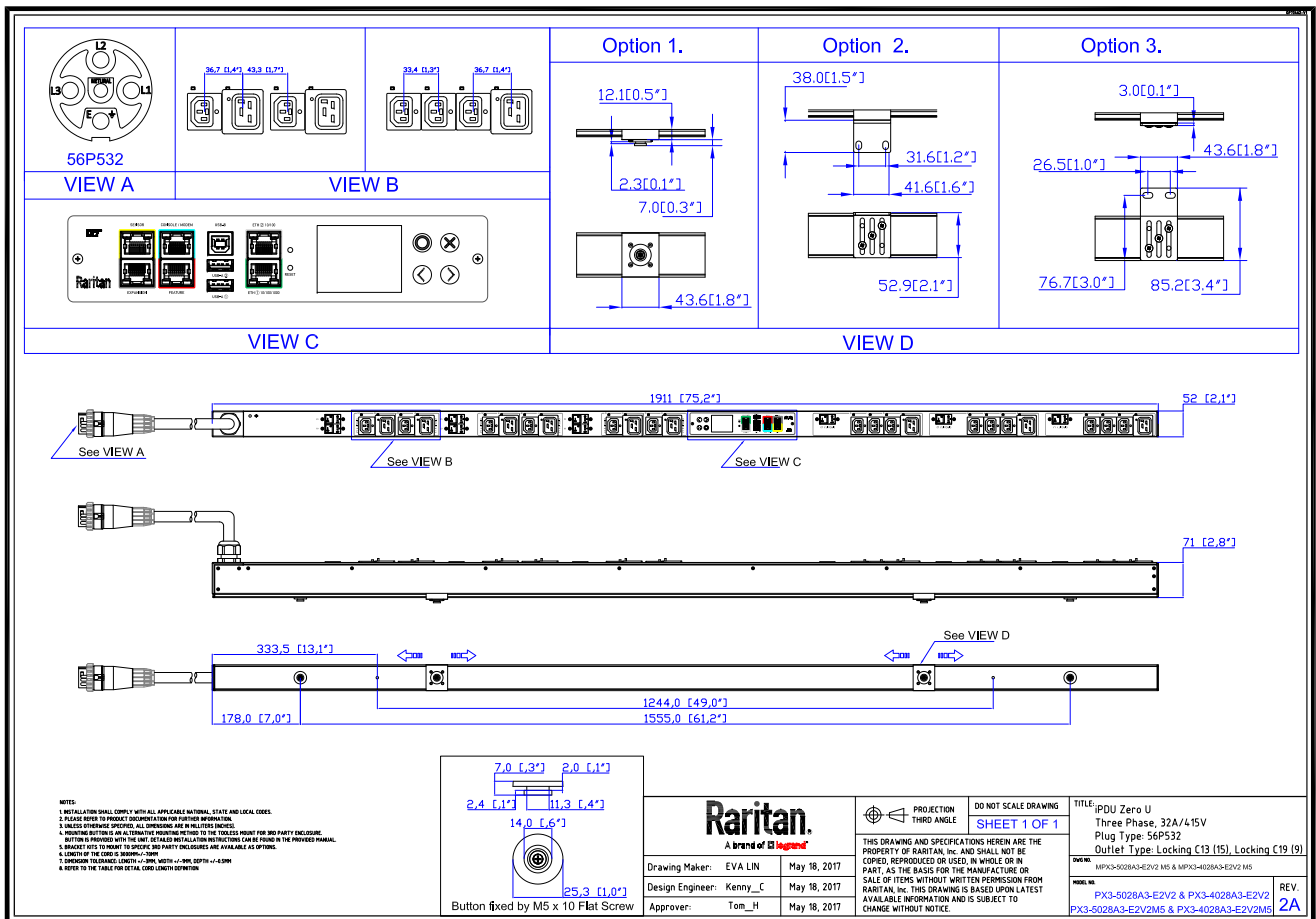MODULE 2 — MSP430 2 − 4~1
MODULE 6 — MSP430 6 − 4~1
MODULE 3 — MSP430 3 − 4~1

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5028A3-E2V2   rev20250625

MECHANICAL DIAGRAM

56P532

VIEW A   VIEW B

Option 1.   Option 2.   Option 3.

12.1[0.5"]   38.0[1.5"]   3.0[0.1"]
2.3[0.1"]   31.6[1.2"]   43.6[1.8"]
7.0[0.3"]   41.6[1.6"]   26.5[1.0"]
43.6[1.8"]   52.9[2.1"]   76.7[3.0"]   85.2[3.4"]

VIEW C   VIEW D

1911 [75.2"]   52 [2.1"]
See VIEW A
See VIEW B
See VIEW C

71 [2.8"]

See VIEW D
333,5 [13,1"]
1244,0 [49,0"]
178,0 [7,0"]
1555,0 [61,2"]

7,0 [,3"]   2,0 [,1"]
2,4 [,1"]   11,3 [,4"]
14,0 [,6"]
25,3 [1,0"]
Button fixed by M5 x 10 Flat Screw

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 TOOLLESS 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 +/-3MM, DEPTH +/-0.5MM
8. REFER TO THE TABLE FOR DETAIL CORD LENGTH DEFINITION

PROJECTION THIRD ANGLE

DO NOT SCALE DRAWING
SHEET 1 OF 1

TITLE: iPDU Zero U
Three Phase, 32A/415V
Plug Type: 56P532
Outlet Type: Locking C13 (15), Locking C19 (9)

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Drawing Maker: EVA LIN   May 18, 2017
Design Engineer: Kenny_C   May 18, 2017
Approver: Tom_H   May 18, 2017

DWG NO. MPX3-5028A3-E2V2 M5 & MPX3-4028A3-E2V2 M5

MODEL NO. PX3-5028A3-E2V2 & PX3-4028A3-E2V2
PX3-5028A3-E2V2M5 & PX3-4028A3-E2V2M5

REV. 2A

Raritan
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Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-5028A3-E2V2

Mounting Diagram (G2-RACK-FOR-ZU)

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5-M5 螺孔

250-80-0011-00
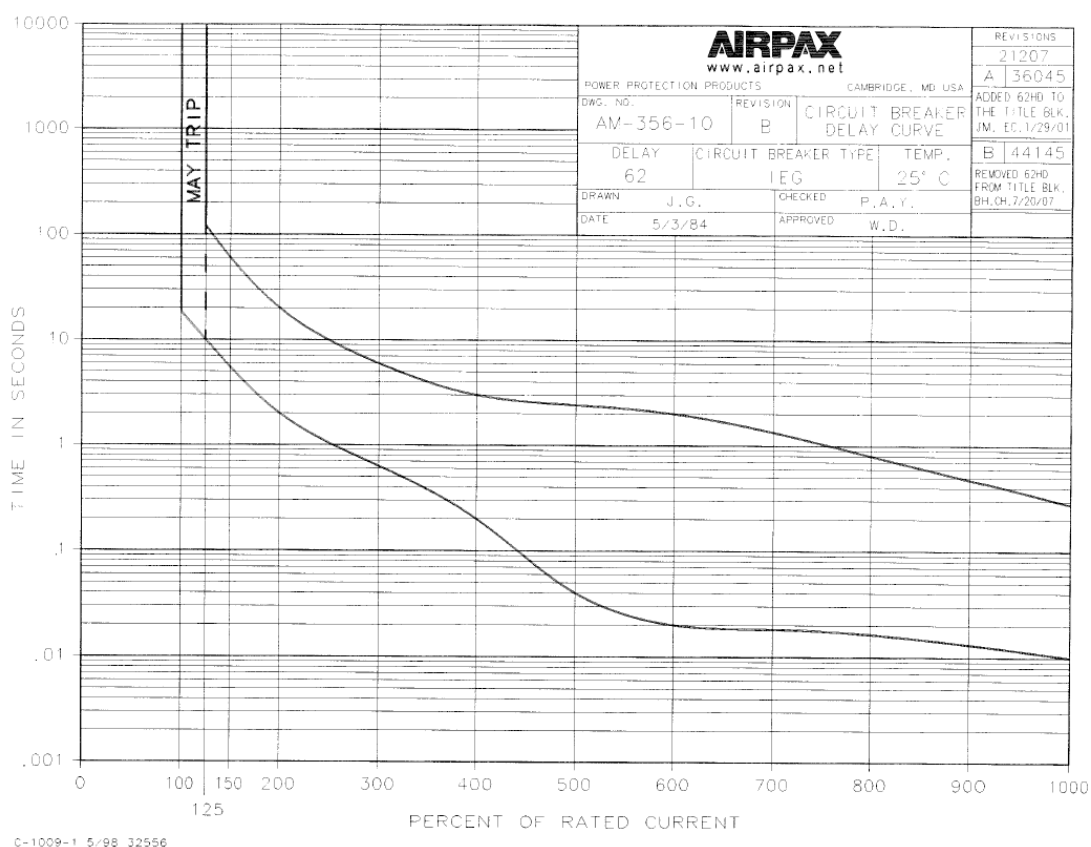

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250-70-0093-00

M5 螺孔

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5028A3-E2V2   rev20250625

TRIP CURVE

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