Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-1077YU-V2   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	No
Remote Outlet Switching	No
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 or per breaker); 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

Raritan

A brand of **Li legrand**

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INPUT

Input Plug	AC Terminal (N/A)
Cord Length	N/A
Cord Entry	Top-end feed
Cable Type	N/A
Number of Power Cords	N/A
Maximum Input Current	40A
Nominal Input Voltage	415V 3 phase
Rated Input Voltage	380 - 415V 3 phase
Input Frequency	50/60Hz
Power Capacity	26.3kVA at 380V, 28.8kVA at 415V

OUTPUT

Nominal Output Voltage	230V
Rated Output Voltage	220 - 240V
Receptacles (Output Connections)	(38) IEC320 C13, 12A (12) IEC320 C19, 16A
Securelock Support	Yes
Cord Retention	Yes
Overload Protection	(6) Airpax LELBX1-20, 5KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	2.3" x 3.1" x 78.0" ; 59mm x 80mm x 1981mm
Unit Weight	5.5 kg
Shipping Weight	8.3 kg
Shipping Dimensions (WxDxH)	8.46" x 6.5" x 84.92" ; 215mm x 165mm x 2157mm
Mounting	G3-RACK-FOR-ZU

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ENVIRONMENTAL

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

CONFORMANCE

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

ACCURACY

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

Technical Specifications / Engineering Submittals
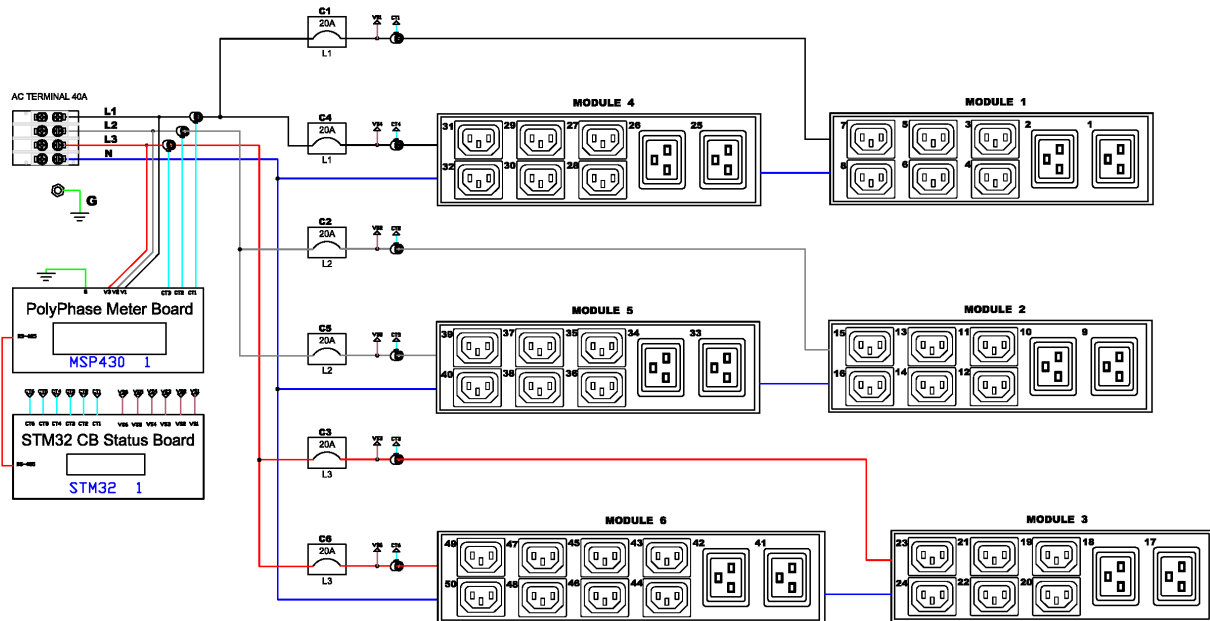## Raritan Model Number: PX3-1077YU-V2

CONTROL PANEL

Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-1077YU-V2
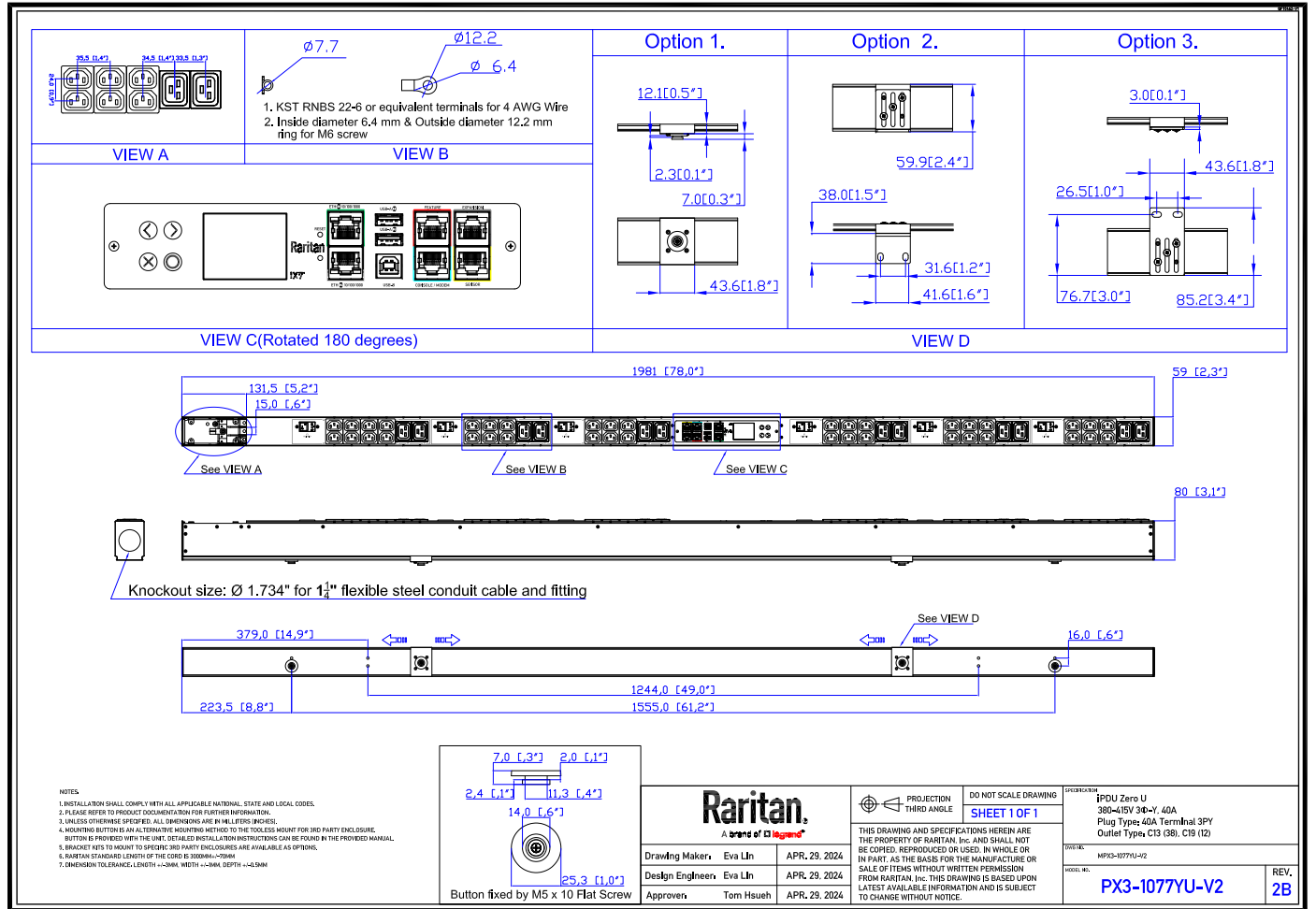
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ELECTRICAL (ONE LINE) DIAGRAM

Technical Specifications / Engineering Submittals
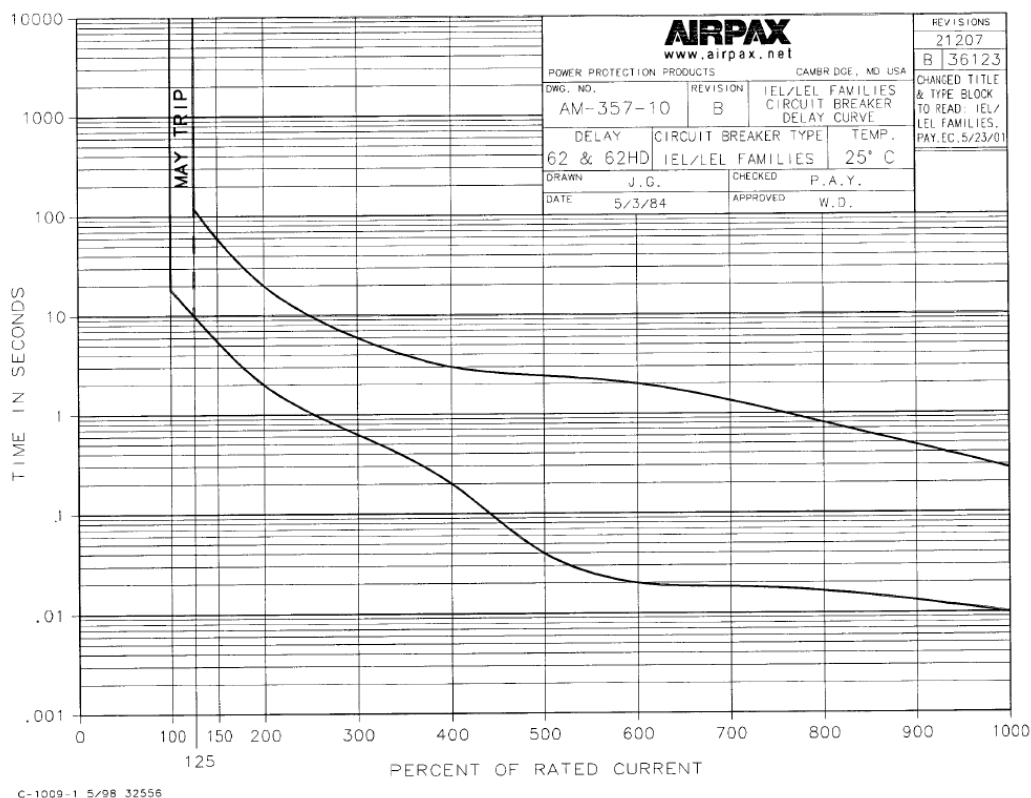## Raritan Model Number: PX3-1077YU-V2

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MECHANICAL DIAGRAM

VIEW A

VIEW B

1. KST RNBS 22-6 or equivalent terminals for 4 AWG Wire
2. Inside diameter 6.4 mm & Outside diameter 12.2 mm ring for M6 screw

Option 1.

Option 2.

Option 3.

VIEW C(Rotated 180 degrees)

VIEW D

See VIEW A

See VIEW B

See VIEW C

Knockout size: Ø 1.734" for 1¼" flexible steel conduit cable and fitting

See VIEW D

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+/-70MM
7. DIMENSION TOLERANCE: LENGTH +/-3MM, WIDTH +/-3MM, DEPTH +/-0.5MM

Button fixed by M5 x 10 Flat Screw

PROJECTION THIRD ANGLE

DO NOT SCALE DRAWING

SHEET 1 OF 1

Drawing Maker:	Eva Lin	APR. 29, 2024
Design Engineer:	Eva Lin	APR. 29, 2024
Approved:	Tom Hsueh	APR. 29, 2024

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SPECIFICATION
iPDU Zero U
380-415V 3Φ-Y, 40A
Plug Type: 40A Terminal 3PY
Outlet Type: C13 (38), C19 (12)

DWG NO. MPX3-1077YU-V2

MODEL NO.

PX3-1077YU-V2

REV. 2B

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TRIP CURVE

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