# Technical Specifications / Engineering Submittals
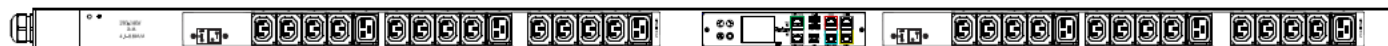
Raritan Model Number: PX3-5842NV

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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## INPUT

| | |
|---|---|
| Input Plug | Cord (N/A) |
| Cord Length | 3 meters (9.84 feet) standard |
| Cord Entry | Bottom-bottom feed |
| Cable Type | N/A |
| Number of Power Cords | 1 |
| Maximum Input Current | 32A |
| Nominal Input Voltage | 230V |
| Rated Input Voltage | 200 - 240V |
| Input Frequency | 50/60Hz |
| Power Capacity | 6.4kVA at 200V, 7.7kVA at 240V |

## OUTPUT

| | |
|---|---|
| Nominal Output Voltage | 230V |
| Rated Output Voltage | 200 - 240V |
| Receptacles (Output Connections) | (24) IEC320 C13, 10A<br>(6) IEC320 C19, 16A |
| Securelock Support | Yes |
| Cord Retention | Yes |
| Overload Protection | (2) LEGBXA6-16, 5KAIC |

## PHYSICAL

| | |
|---|---|
| Color | Black powder coat (custom colors available) |
| Unit Dimensions (WxDxH) | 2.1" x 2.6" x 70.1" ; 52mm x 65mm x 1780mm |
| Unit Weight | 6.1 kg |
| Shipping Weight | 8.6 kg |
| Shipping Dimensions (WxDxH) | 11.02" x 4.53" x 80.91" ; 280mm x 115mm x 2055mm |
| Mounting | G2-RACK-FOR-ZU |

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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 | |

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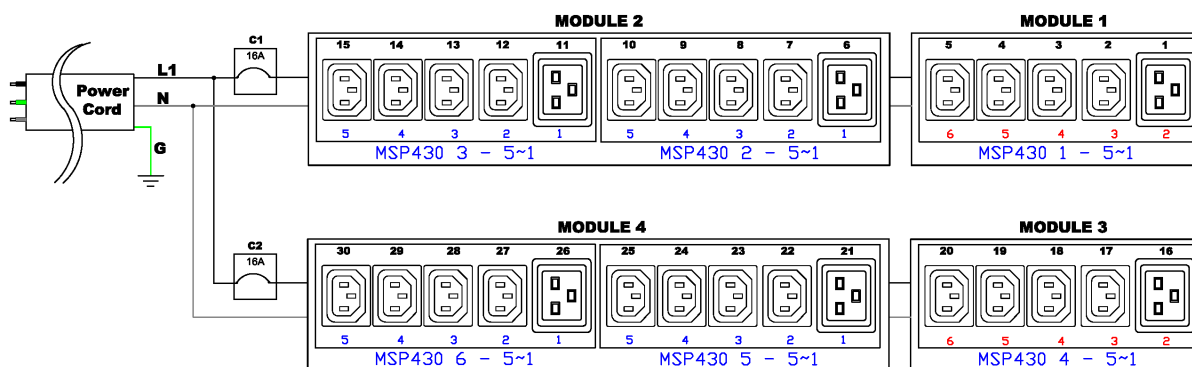### Raritan Model Number: PX3-5842NV

## CONTROL PANEL
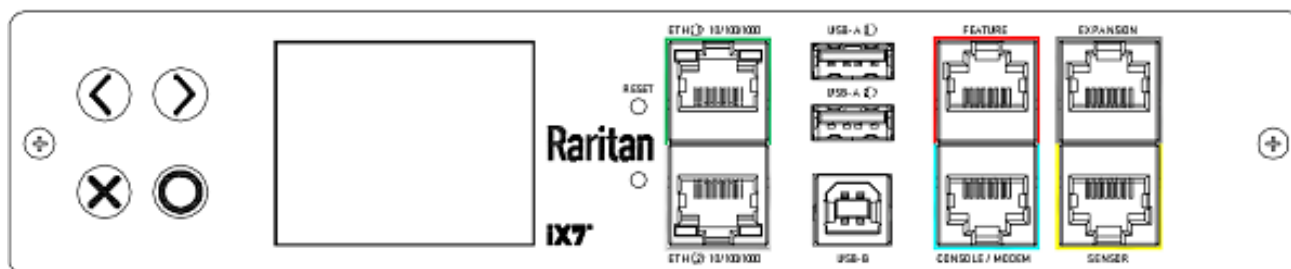
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Raritan Model Number: PX3-5842NV

## ELECTRICAL (ONE LINE) DIAGRAM

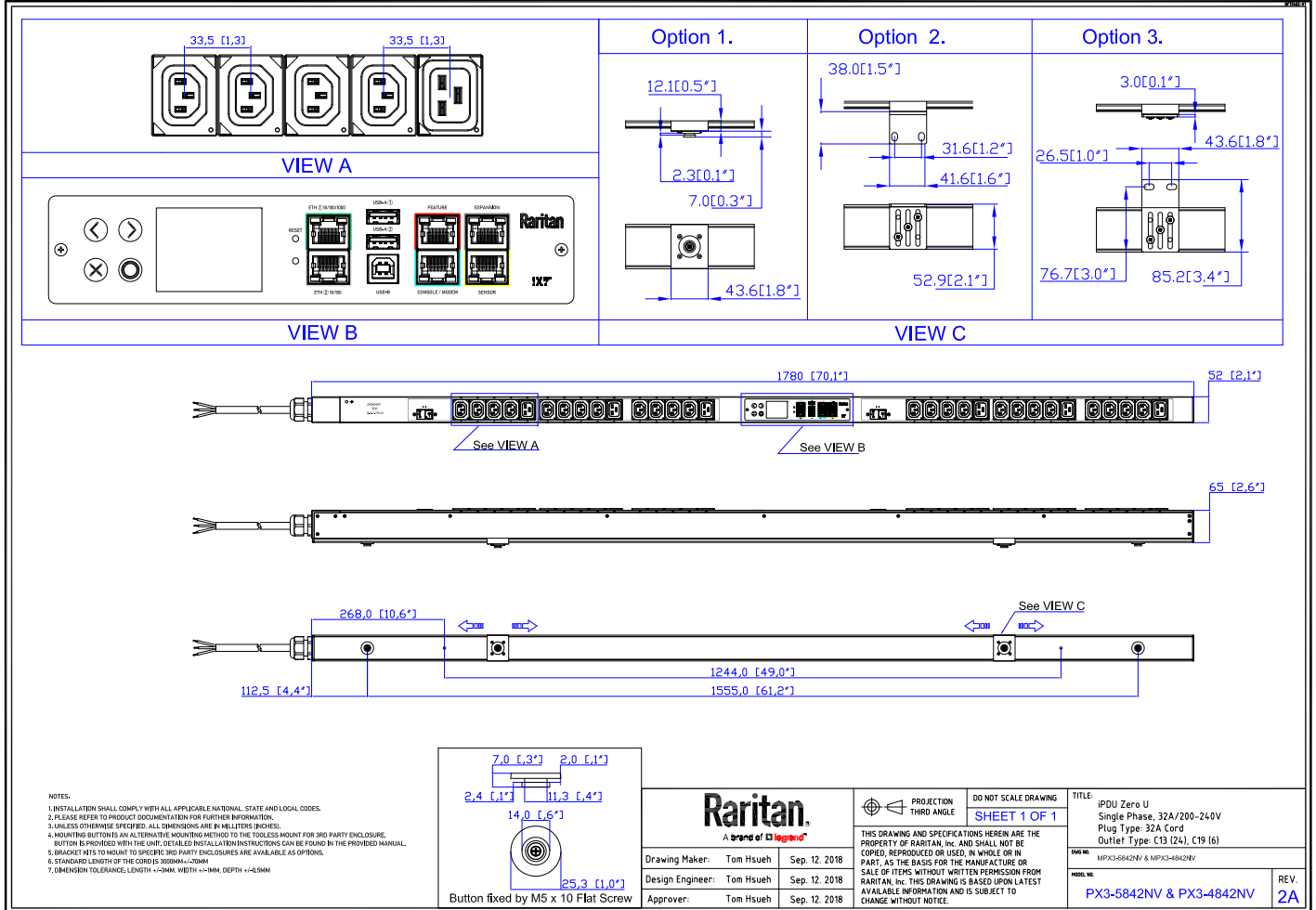# Technical Specifications / Engineering Submittals
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rev20250625

## MECHANICAL DIAGRAM



VIEW A

VIEW B

Option 1.

Option 2.

Option 3.

VIEW C

See VIEW A

See VIEW B

See VIEW C

1780 [70,1"]

52 [2,1"]

65 [2,6"]

268,0 [10,6"]

1244,0 [49,0"]

112,5 [4,4"]

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

| PROJECTION THIRD ANGLE | DO NOT SCALE DRAWING | TITLE: iPDU Zero U |
| | SHEET 1 OF 1 | Single Phase, 32A/200~240V Plug Type: 32A Cord Outlet Type: C13 (24), C19 (6) |

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| Drawing Maker: | Tom Hsueh | Sep. 12. 2018 |
| Design Engineer: | Tom Hsueh | Sep. 12. 2018 |
| Approver: | Tom Hsueh | Sep. 12. 2018 |

DWG NO. MPX3-5842NV & MPX3-4842NV

MODEL NO. PX3-5842NV & PX3-4842NV

REV. 2A

# Raritan
A brand of **Legrand**

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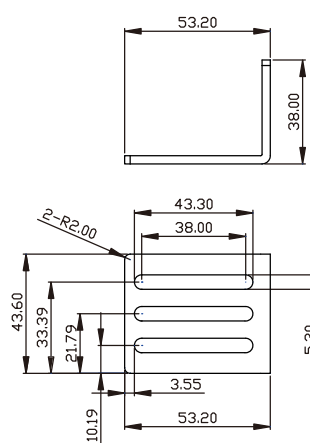
## Mounting Diagram (G2-RACK-FOR-ZU)

**250-70-0104-00**



5-M5螺孔

**250-80-0011-00**



**250-70-0007-00**



**250-70-0093-00**



M5螺孔

## TRIP CURVE



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