

## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

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 | No                                                                                                                                                                              |
| Metering per Output Receptacle      | No                                                                                                                                                                              |
| Remote Outlet Switching             | No                                                                                                                                                                              |
| Environmental Sensor Ready          | Yes                                                                                                                                                                             |
| Replaceable Controller              | Yes                                                                                                                                                                             |
| Residual Current Monitoring         | Yes, Type B (Three channel detection of AC and DC leakage current (IEC62020 range: 15mA to 300mA). Detection on each line)                                                      |
| 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); 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                                                                                                              |

## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

rev20250625

### INPUT

|                       |                                      |
|-----------------------|--------------------------------------|
| Input Plug            | IEC 60309 3P+N+E 6h 16A (4P5W), IP44 |
| Cord Length           | 3 meters (9.84 feet) standard        |
| Cord Entry            | Bottom-bottom feed                   |
| Cable Type            | N-S LSOH 5G2.5                       |
| Number of Power Cords | 1                                    |
| Maximum Input Current | 16A                                  |
| Nominal Input Voltage | 400V 3 phase                         |
| Rated Input Voltage   | 380 - 415V 3 phase                   |
| Input Frequency       | 50/60Hz                              |
| Power Capacity        | 10.6kVA at 380V, 11.5kVA at 415V     |

### OUTPUT

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Nominal Output Voltage           | 230V                                        |
| Rated Output Voltage             | 220 - 240V                                  |
| Receptacles (Output Connections) | (24) IEC320 C13, 10A<br>(6) IEC320 C19, 16A |
| Securelock Support               | Yes                                         |
| Cord Retention                   | Yes                                         |
| Overload Protection              | N/A                                         |

### PHYSICAL

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Color                       | Black powder coat (custom colors available)     |
| Unit Dimensions (WxDxH)     | 2.1" x 2.6" x 60.6" ; 52mm x 65mm x 1539mm      |
| Unit Weight                 | 4.2 kg                                          |
| Shipping Weight             | 6.4 kg                                          |
| Shipping Dimensions (WxDxH) | 9.06" x 4.65" x 71.61" ; 230mm x 118mm x 1819mm |
| Mounting                    | G2-RACK-FOR-ZU                                  |

## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

rev20250625

### 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

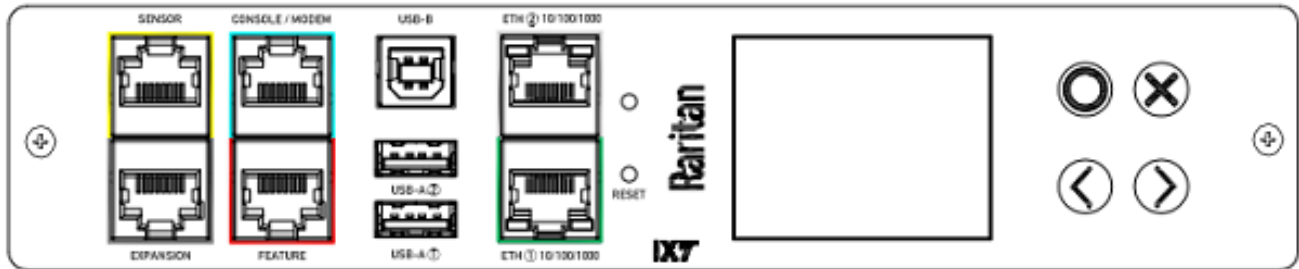
|                   | Input Measurement         |
|-------------------|---------------------------|
| LCD & GUI Current | ±1% at 0.1 A resolution   |
| Voltage           | ±1% at 0.1 V resolution   |
| Active Power      | ±1% at 1 W resolution     |
| Apparent Power    | ±1% at 1 VA resolution    |
|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

## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

rev20250625

### CONTROL PANEL

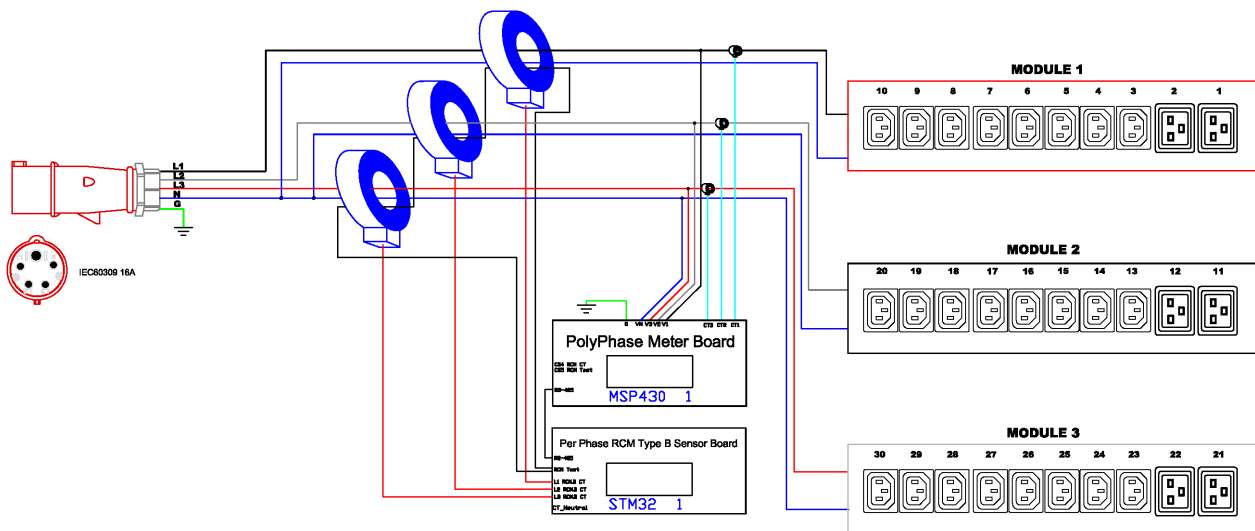


## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

rev20250625

### ELECTRICAL (ONE LINE) DIAGRAM

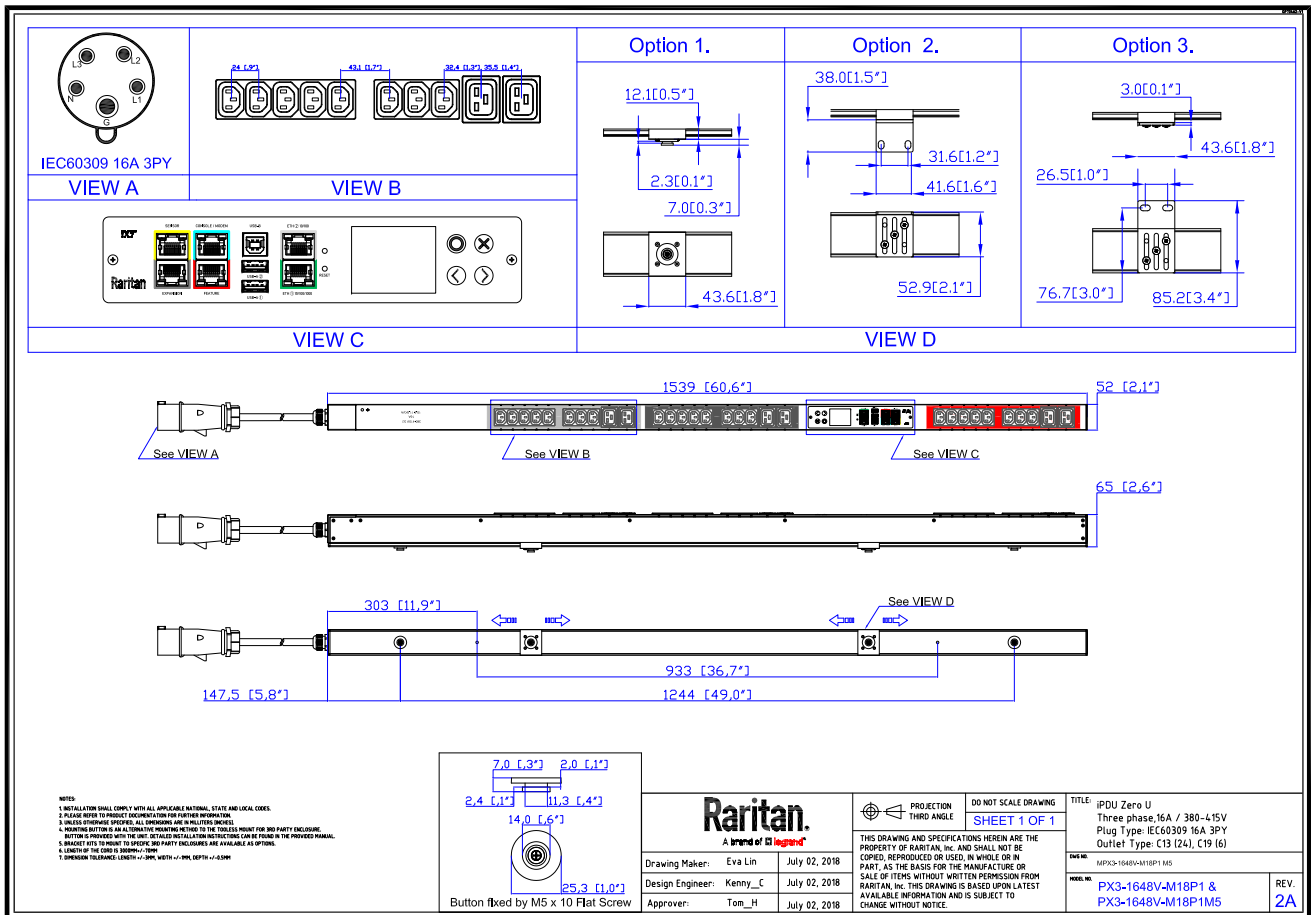


## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

rev20250625

### MECHANICAL DIAGRAM



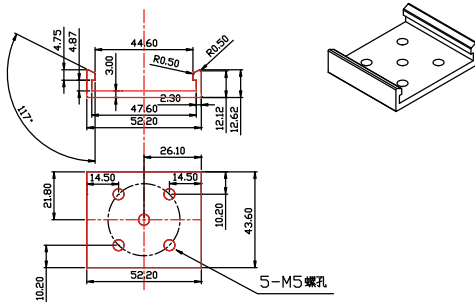
## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

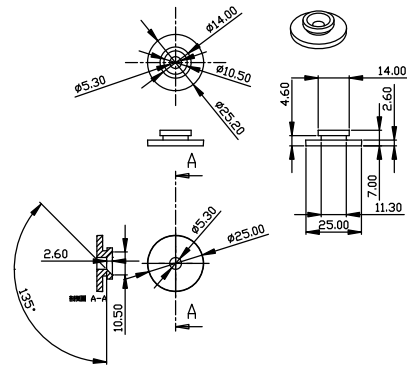
rev20250625

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

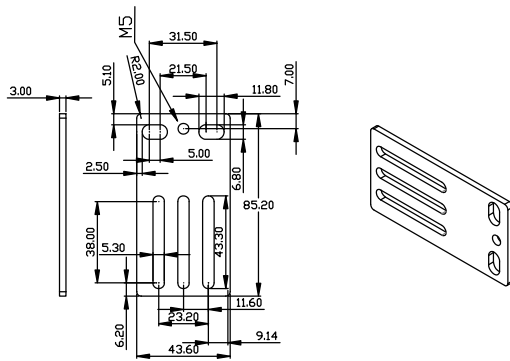
250-70-0104-00



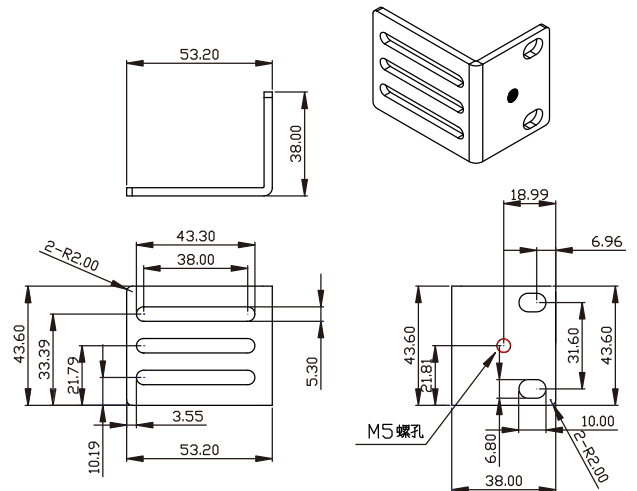
250-80-0011-00



**250-70-0007-00**



**250-70-0093-00**



## Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1648V-M18P1

rev20250625

### TRIP CURVE

This file generated on: Wed, June 25, 2025 - 02:59:32