

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

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

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

rev20250625

INPUT

Input Plug	Clipsal 56PA332 (2P3W), IP66
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Bottom-front 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)	(36) IEC60320 C13 Locking, 10A (6) IEC60320 C19 Locking, 16A
Securelock Support	Yes
Cord Retention	No
Overload Protection	(2) LEGBXA6-16, 5KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	2.1" x 2.6" x 76.0" ; 52mm x 65mm x 1930mm
Unit Weight	6 kg
Shipping Weight	8.5 kg
Shipping Dimensions (WxDxH)	11.02" x 4.53" x 81.3" ; 280mm x 115mm x 2065mm
Mounting	G2-RACK-FOR-ZU

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

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

Branch Measurement

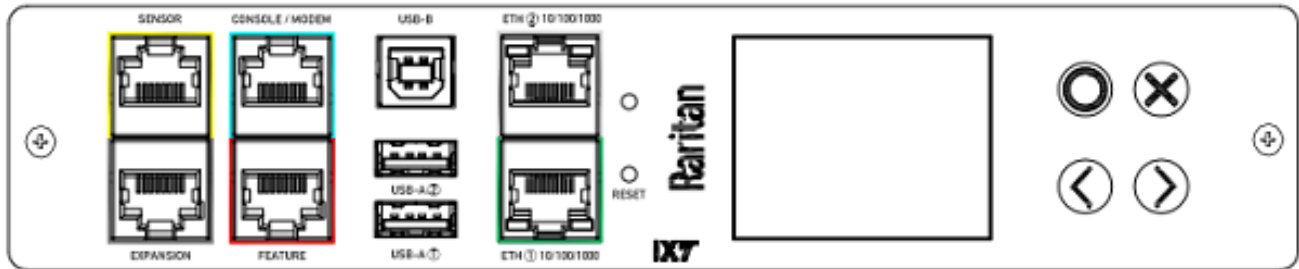
Current	±1% at 0.1 A resolution
---------	-------------------------

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

rev20250625

CONTROL PANEL

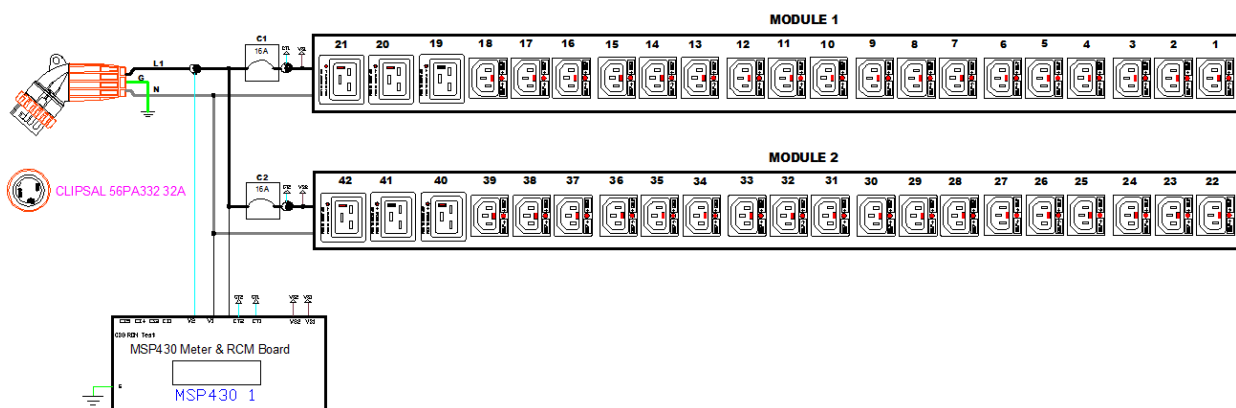


Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

rev20250625

ELECTRICAL (ONE LINE) DIAGRAM

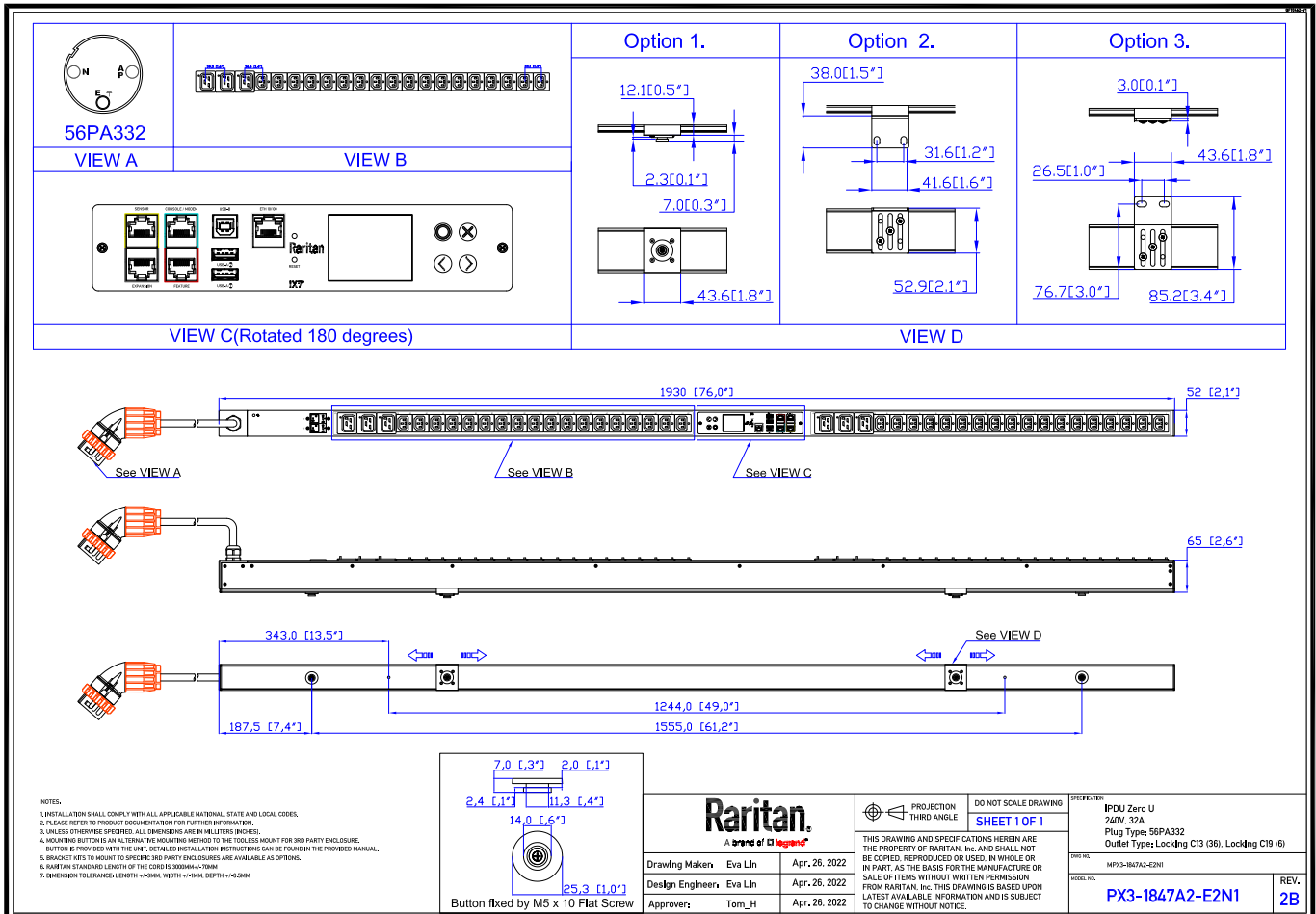


Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

rev20250625

MECHANICAL DIAGRAM



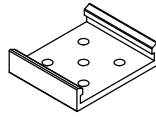
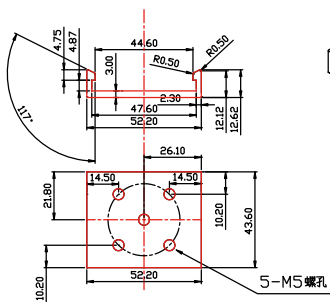
Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

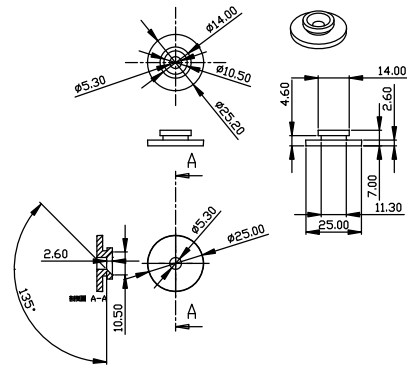
rev20250625

Mounting Diagram (G2-RACK-FOR-ZU)

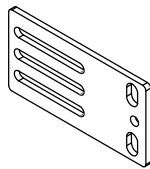
250-70-0104-00



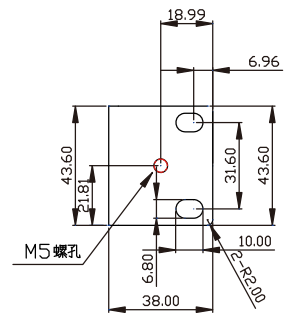
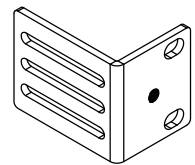
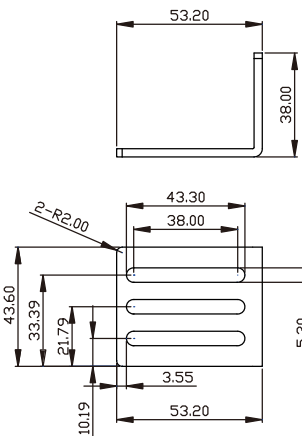
250-80-0011-00



250-70-0007-00



250-70-0093-00

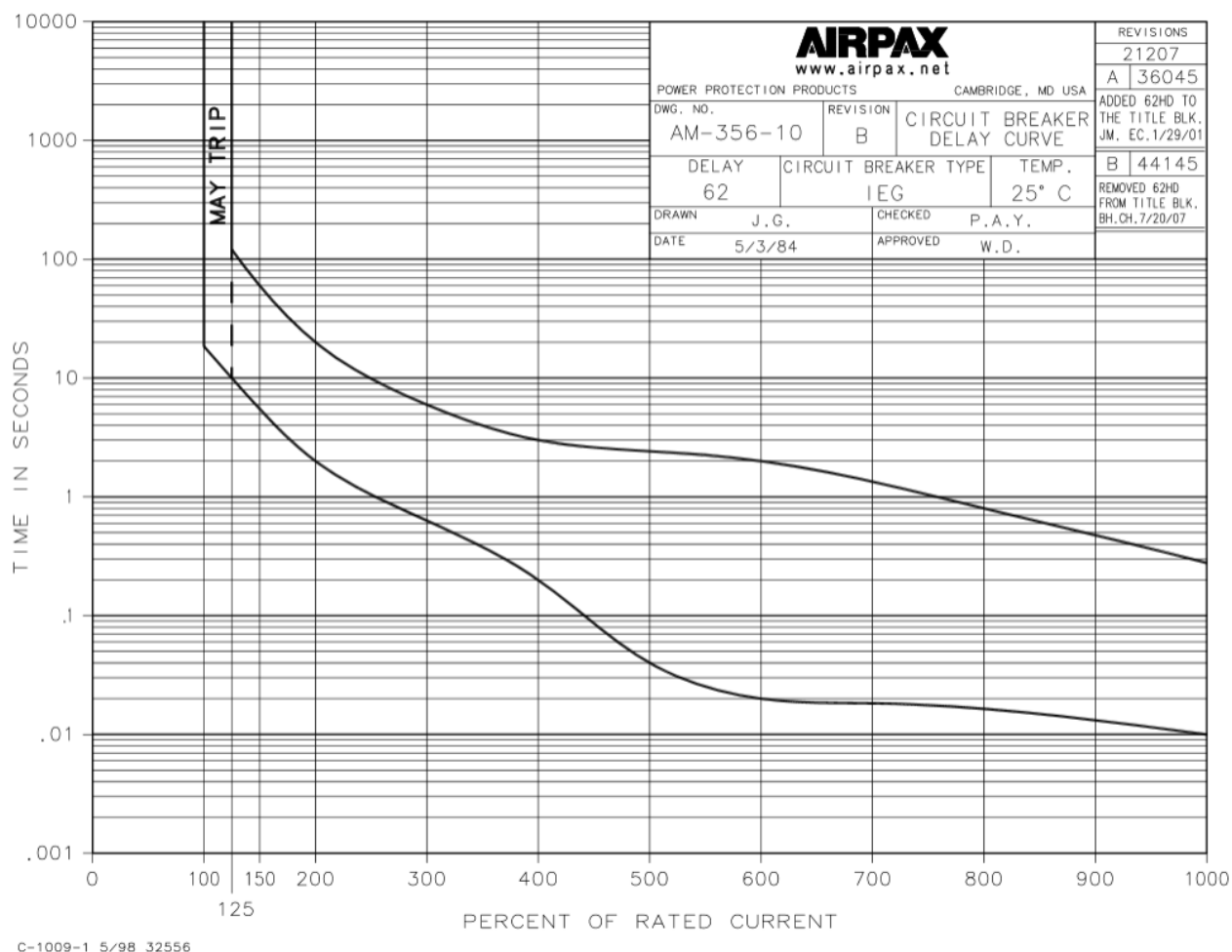


Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1847A2-E2N1

rev20250625

TRIP CURVE



This file generated on: Wed, June 25, 2025 - 03:03:45