

Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-1490JV

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

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INPUT

Input Plug	NEMA L5-30P (2P3W), IP44
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Bottom-bottom feed
Cable Type	VCT 3G5.5
Number of Power Cords	1
Maximum Input Current	30A
Nominal Input Voltage	100V
Rated Input Voltage	100 - 120V
Input Frequency	50/60Hz
Power Capacity	3.0kVA at 100V, 3.6kVA at 120V

OUTPUT

Nominal Output Voltage	100V
Rated Output Voltage	100 - 120V
Receptacles (Output Connections)	(24) NEMA 5-15R Twist, 15A
Securelock Support	No
Cord Retention	Yes
Overload Protection	(2) LEGBXA6-20, 5KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	2.1" x 2.2" x 60.6" ; 52mm x 55mm x 1539mm
Unit Weight	6.3 kg
Shipping Weight	8.4 kg
Shipping Dimensions (WxDxH)	9.06" x 4.65" x 71.61" ; 230mm x 118mm x 1819mm
Mounting	Tool-less button mount

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ENVIRONMENTAL

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

CONFORMANCE

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

ACCURACY

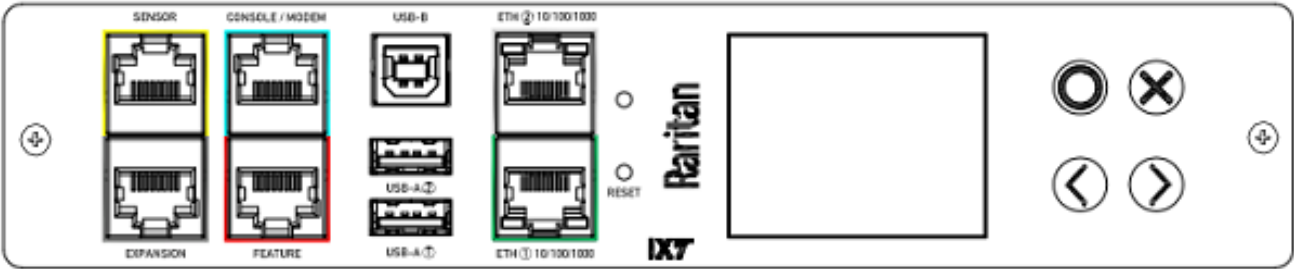
	Input Measurement
LCD & GUI Current	±1% at 0.1 A resolution
Voltage	±1% at 0.1 V resolution
Active Power	±1% at 1 W resolution
Apparent Power	±1% at 1 VA resolution
Power Factor	±1% at 0.1 resolution
Active Energy	±1% at 0.1 kWh resolution
Branch Measurement	
Current	±1% at 0.1 A resolution

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CONTROL PANEL

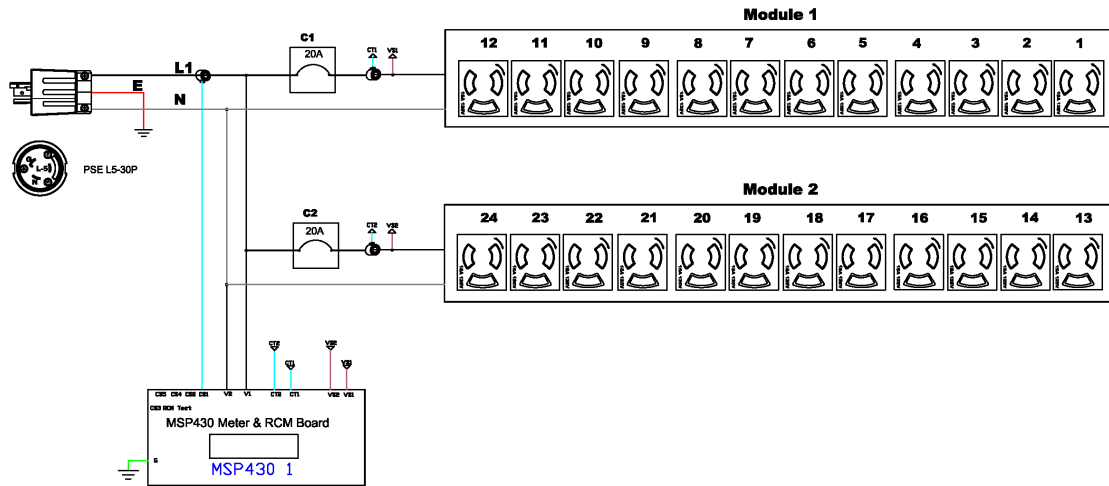


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ELECTRICAL (ONE LINE) DIAGRAM



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MECHANICAL DIAGRAM



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TRIP CURVE

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