Raritan
A brand of **L1 legrand**

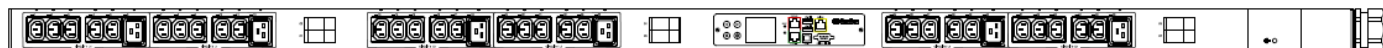# Technical Specifications / Engineering Submittals
Raritan Model Number: PX3-5830I2U-F1   rev20250625

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	(10/100 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	ARM9 400MHZ (Atmel SAM9G20), 16MB NOR Flash, 64MB SDRAM

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INPUT

Input Plug	IEC 60309 3P+N+E 6h 60A (4P5W), IP67
Cord Length	3 meters (9.84 feet) standard
Cord Entry	Top-end feed
Cable Type	SOOW 5C#6
Number of Power Cords	1
Maximum Input Current	60A
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)	(30) IEC320 C13, 12A (6) IEC320 C19, 16A
Securelock Support	Yes
Cord Retention	Yes
Overload Protection	(6) SC-20, 100KAIC

PHYSICAL

Color	Black powder coat (custom colors available)
Unit Dimensions (WxDxH)	2.3" x 3.1" x 74.5" ; 59mm x 80mm x 1892mm
Unit Weight	11.76 kg
Shipping Weight	13.24 kg
Shipping Dimensions (WxDxH)	15.94" x 5.31" x 89.8" ; 405mm x 135mm x 2281mm
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	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	

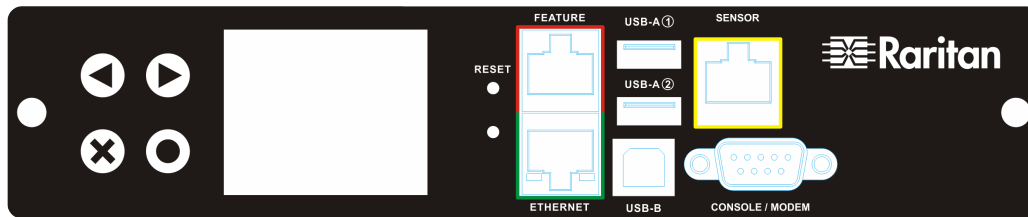# Technical Specifications / Engineering Submittals

Raritan Model Number: PX3-5830I2U-F1   rev20250625

CONTROL PANEL

Dimension: 212mm x 43.5mm

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ELECTRICAL (ONE LINE) DIAGRAM
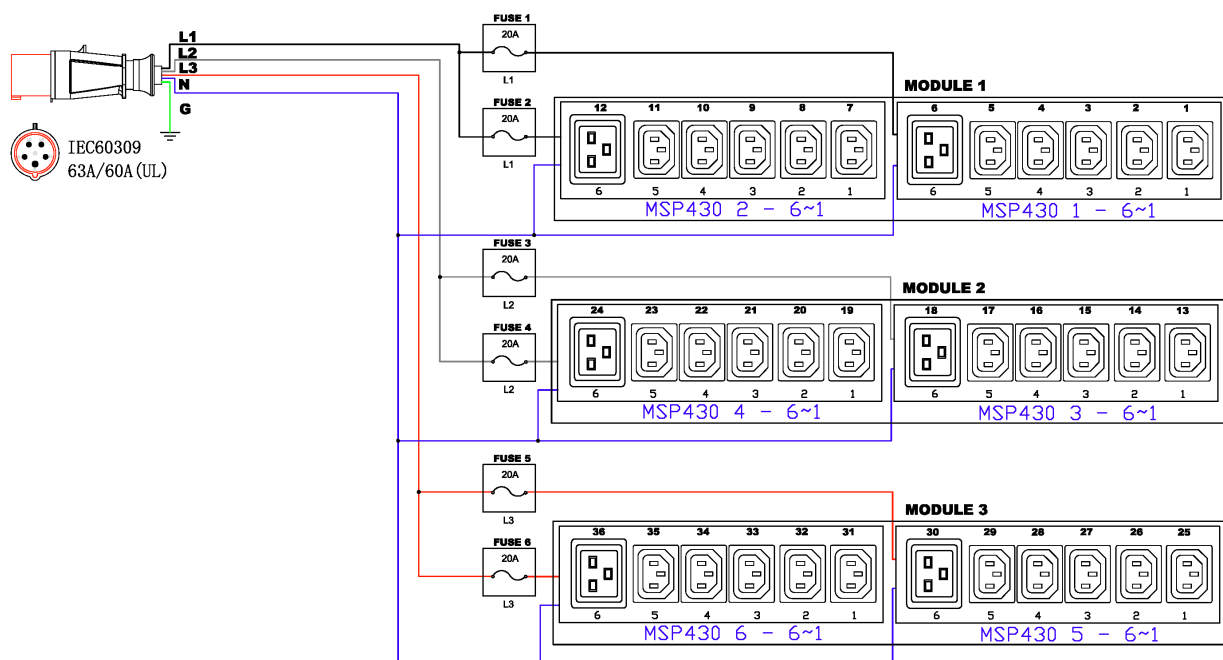
IEC60309
63A/60A(UL)

FUSE 1 20A L1
FUSE 2 20A L1
FUSE 3 20A L2
FUSE 4 20A L2
FUSE 5 20A L3
FUSE 6 20A L3

MODULE 1
12 11 10 9 8 7 | 6 5 4 3 2 1
MSP430 2 – 6~1   MSP430 1 – 6~1

MODULE 2
24 23 22 21 20 19 | 18 17 16 15 14 13
MSP430 4 – 6~1   MSP430 3 – 6~1

MODULE 3
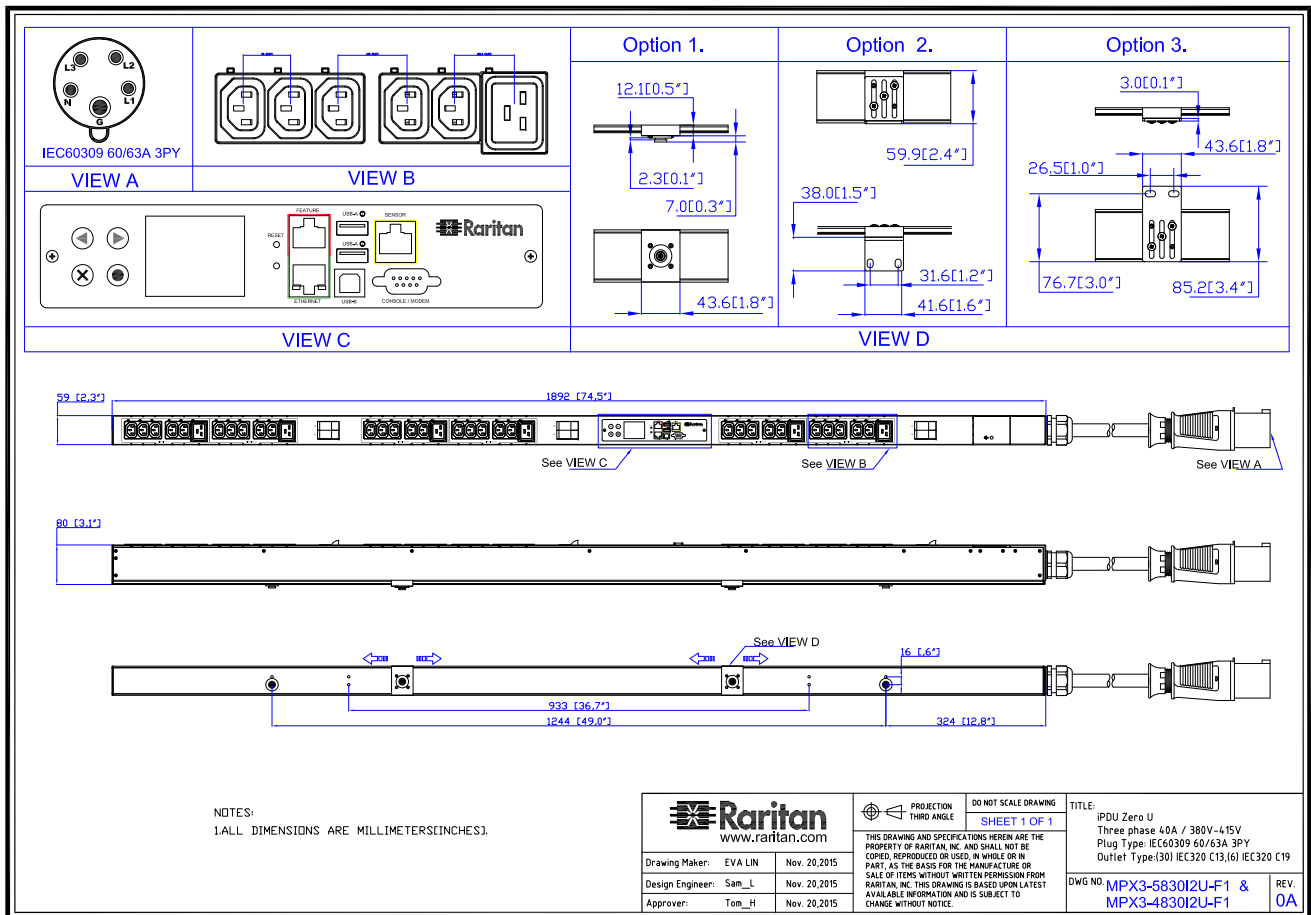36 35 34 33 32 31 | 30 29 28 27 26 25
MSP430 6 – 6~1   MSP430 5 – 6~1

Technical Specifications / Engineering Submittals
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rev20250625

MECHANICAL DIAGRAM

VIEW A — IEC60309 60/63A 3PY

VIEW B

VIEW C

VIEW D

Option 1.
12.1[0.5"]
2.3[0.1"]
7.0[0.3"]
43.6[1.8"]

Option 2.
59.9[2.4"]
38.0[1.5"]
31.6[1.2"]
41.6[1.6"]

Option 3.
3.0[0.1"]
43.6[1.8"]
26.5[1.0"]
76.7[3.0"]
85.2[3.4"]

59 [2.3"]
1892 [74.5"]
See VIEW C
See VIEW B
See VIEW A

80 [3.1"]

See VIEW D
16 [.6"]
933 [36.7"]
1244 [49.0"]
324 [12.8"]

NOTES:
1.ALL DIMENSIONS ARE MILLIMETERS[INCHES].

www.raritan.com

Drawing Maker:	EVA LIN	Nov. 20,2015
Design Engineer:	Sam_L	Nov. 20,2015
Approver:	Tom_H	Nov. 20,2015

PROJECTION THIRD ANGLE

DO NOT SCALE DRAWING
SHEET 1 OF 1

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TITLE:
iPDU Zero U
Three phase 40A / 380V-415V
Plug Type: IEC60309 60/63A 3PY
Outlet Type:(30) IEC320 C13,(6) IEC320 C19

DWG NO. MPX3-5830I2U-F1 &
MPX3-4830I2U-F1

REV. 0A

TRIP CURVE

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