Input Metered PDU Data Sheet – RackPower PDU

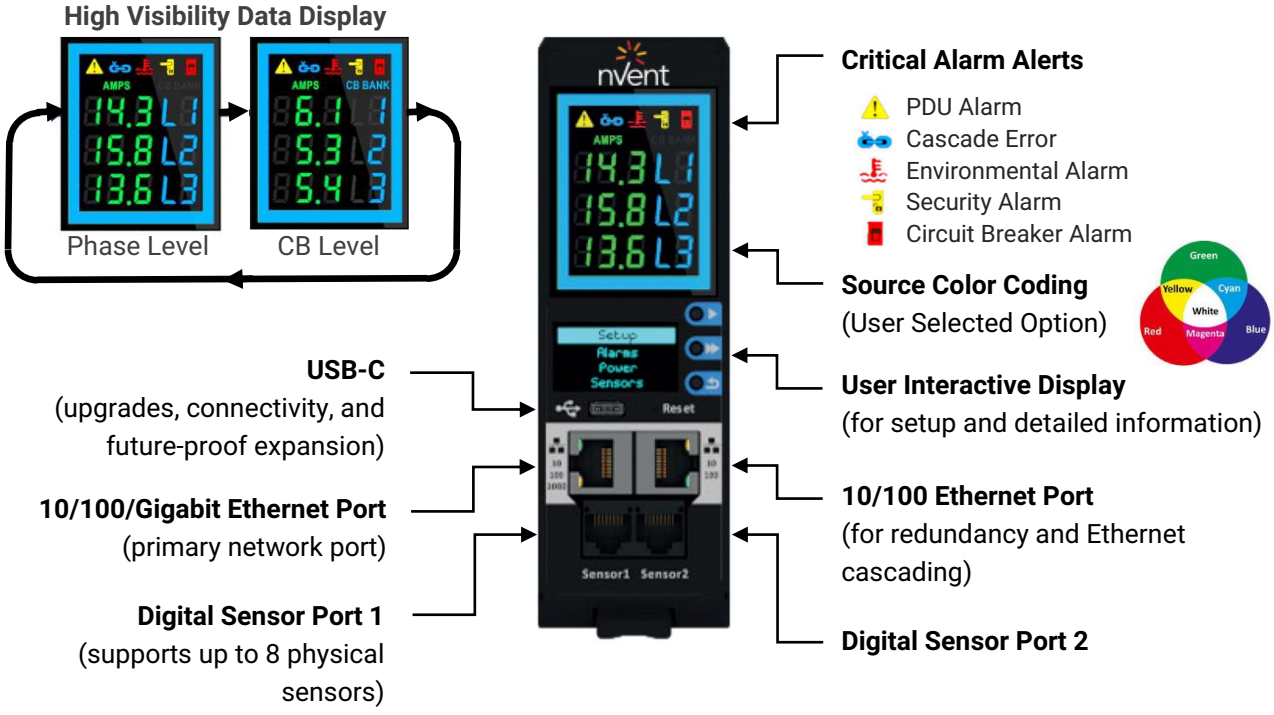
The RP1450 Input Metered PDU family offers energy metering with advanced power and environmental monitoring options. Comprehensive monitoring at both the input phase and circuit breaker levels offers advanced alerts of potential overloads. Billing-grade metering provides accurate power consumption data for energy use optimization. The hot-swappable network management controller features Gigabit and redundant ethernet communication with advanced support for external environmental sensors and rack security access solutions.

PDU Function	
Metering Attributes	Voltage(V), Current(A), Apparent Power(kVA), Real Power(kW), Power Factor, Energy (kWh)
Metering Accuracy	± 1% to ISO/IEC 62052-21
Metering Locations	Input phase level measurements
Remote Outlet Switching	No
Electrical Input	
Input Plug Type	Dual Rated IEC60309 516/520P6 (IP44)
Acceptable input voltage	200 – 240 / 346 – 415 VAC, 3 PH, WYE
Input current (phase)	16/20 A (16 A derated)
Input frequency	50/60 Hz
Max Input power	11.5/11.0 kVA
Electrical Output	
Output voltage	220 – 240 VAC
Maximum output current (phase)	16/20 A (16 A derated)
Overload protection (internal)	(0)„No Circuit Breaker,"temp stable, hy-mag type"
Outlet configuration	21 (C13/C15), 21 (4-in-1 Combo)
Physical	
Chassis Dimensions (L x W x D)	1490 × 56 × 55 mm (58.66 × 2.20 × 2.17 in)
Depth at circuit breaker, in	N/A
Input cord length	1.8 m (5.91')
Environmental	
Operating Temperature	-5 to 60°C (23 to 140°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Humidity (operating/storage)	5-90% RH / 5-95% RH; non-condensing
Max operating elevation, above MSL	3,000 m (9,840 ft)
Compliance	
Safety & Environmental	IEC 62368 listed. RoHS, and REACH compliant. See drawing for additional information.

Advanced Network Management Module – RackPower PDU

Network Connectivity	
Network Connectivity	Dual ports: 1x Gigabit Ethernet (10/100/1000 Mbps) and 1x (10/100 Mbps) connection/IP address
Ethernet Cascading	Up to 64 units share a single "daisy-chain" Ethernet connection/IP address
DC Power Sharing	Each PDU can provide DC power sufficient to power network management electronics
Dual Ethernet Support	Dual Ethernet ports for redundant network communications
Dual Network Access	Dual network connectivity allows redundancy and/or multiple stakeholder connectivity
Remote Connectivity	HTTP(s), iP4V and iPV6, SSH, Virtual Serial, SNMP (v1, v2c, v3), JSON-RPC, LDAP(S),
WebUI Interface	Data efficient REACT framework with native mobile device support

Management Module Attributes	
Microprocessor/Memory	Cortex A-5
Field Replacement	Hot swap replaceable module; fast plug-and-play connectivity
Module Orientation	Tool-less removal and 180º install capable for top or bottom power cord orientation
User Display	Dual Displays: large high visibility LED display for key metering information and alarms. Low-power graphical oLED with user controls for local information.
Display Language	English, Spanish, German, French, Italian, Korean, Japanese, Chinese (simplified)
Lighted Color Code	User programmable color border allows power source identification by PDU
Sensor & Supports	Supports up to 8 digital sensors for environmental sensors and/or electronic locks



Environmental Sensors and Security Access Control

EA9102	Single Temperature Probe
EA9103	Temperature and Humidity Combo Sensor
EA9105	3x Temperature and Humidity Combo Sensor
EA9106	Sensor Input Hub (3 sensors input to PDU)
EA9109	Magnetic Door Switch (open/close)
EA9110	Dry Contact Cable (for third party sensors)
EA9111	Spot Fluid Leak Sensor
EA9112	Rope Fluid Leak Sensor
EA9116	Smoke Alarm Sensor
EA9500	Security Access eHandle supports physical key entry + Electronics access + RFID card reader + Keypad
EA9502	Security Access eHandle supports physical key entry + Electronics access + RFID card reader
EN9550	eHandle Sensor, Temperature and Door Contact Combo Sensor
EN9551	eHandle Sensor, 3x Temperature and Door Contact Combo Sensor

Warranty and Terms

Warranty : nVent warranties RackPower brand equipment provided shall be free from manufacturing defects for a period of five (5) years from the invoice date to the original purchaser. For full warranty details, please visit https://enlogic.com/warranty.

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