

ENLOGIC: EN1964

100 A (80 A Derated)



METERED INPUT – EN1 SERIES

The Advantage Series Input Metered PDU family offers energy metering with advanced power and environmental monitoring options. Comprehensive monitoring at the input phase offers advanced alerts of potential overloads. Billing-grade metering provides accurate power consumption data for energy use optimization. The 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 measurement
Remote Outlet Switching	No

Electrical Input

Input Plug Type	IEC 60309 4100P9W
Acceptable Input Voltage	208 V, 3 Phase Delta
Input Current	100 A (80 A Derated)
Input Frequency	50/60 Hz
Max Input Power	28.8 kVA

Electrical Output

Output Voltage	208 VAC
Overload Protection (Internal)	(9) 20 A, 2-Pole, 10 kAIC, Hy-Mag,"temp stable, hy-mag type"
Outlet Configuration	(18)C13/C15/C19/C21

Physical

Chassis Dimensions (L x W x D)	87 x 444 x 269 mm (3.43 x 17.48 x 10.59 in)
Depth At Circuit Breaker	269 mm (10.59 in)
Input Cord Length	1.8 m (6.0')

Environmental

Operating/Storage Temperature	−5 to 60°C (23 to 140°F)/−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. UL 2900-1 certified for safety software cybersecurity for network-connectable products.
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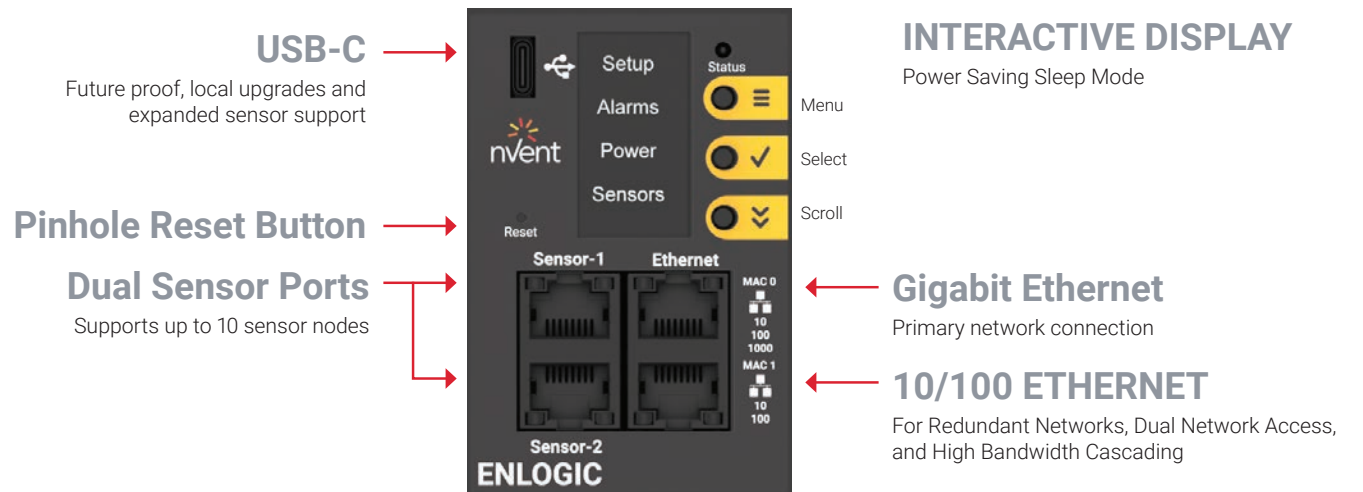
ADVANCED NETWORK MANAGEMENT MODULE – ADVANTAGE SERIES

Network Connectivity

Network Connectivity	Dual ports: 1 x Gigabit Ethernet (10/100/1000 Mbps) and 1 x (10/100 Mbps) connection/IP address
Ethernet Cascading	“Daisy-Chain” up to 64 units, sharing single 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 Ethernet ports for redundant network communications
Remote Connectivity	HTTP(s), IPV4 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

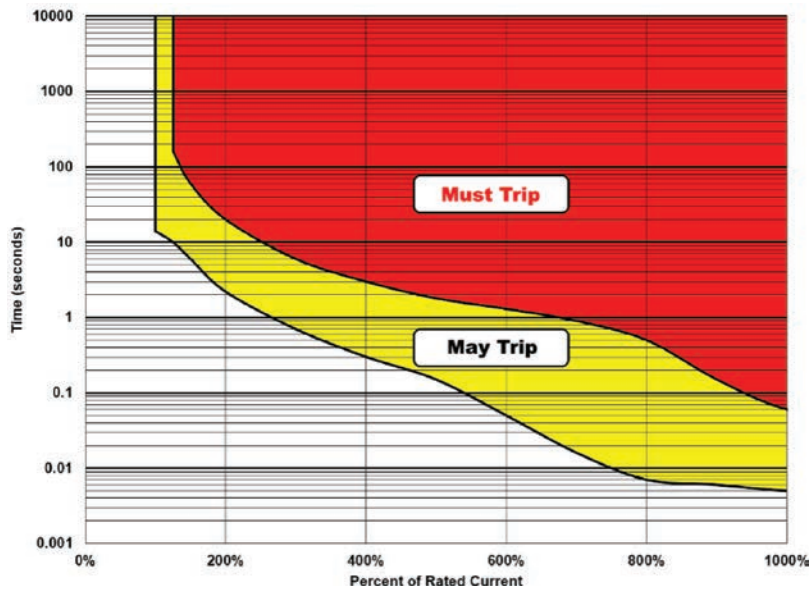
Microprocessor/Memory	Cortex A-5
User Display	Low-power graphical oLED with user controls for local information
Display Language	English, Spanish, German, French, Italian, Korean, Japanese, Chinese (simplified)
Sensor & Security support	Supports up to 10 digital sensor for environmental sensor and/or electronic locks



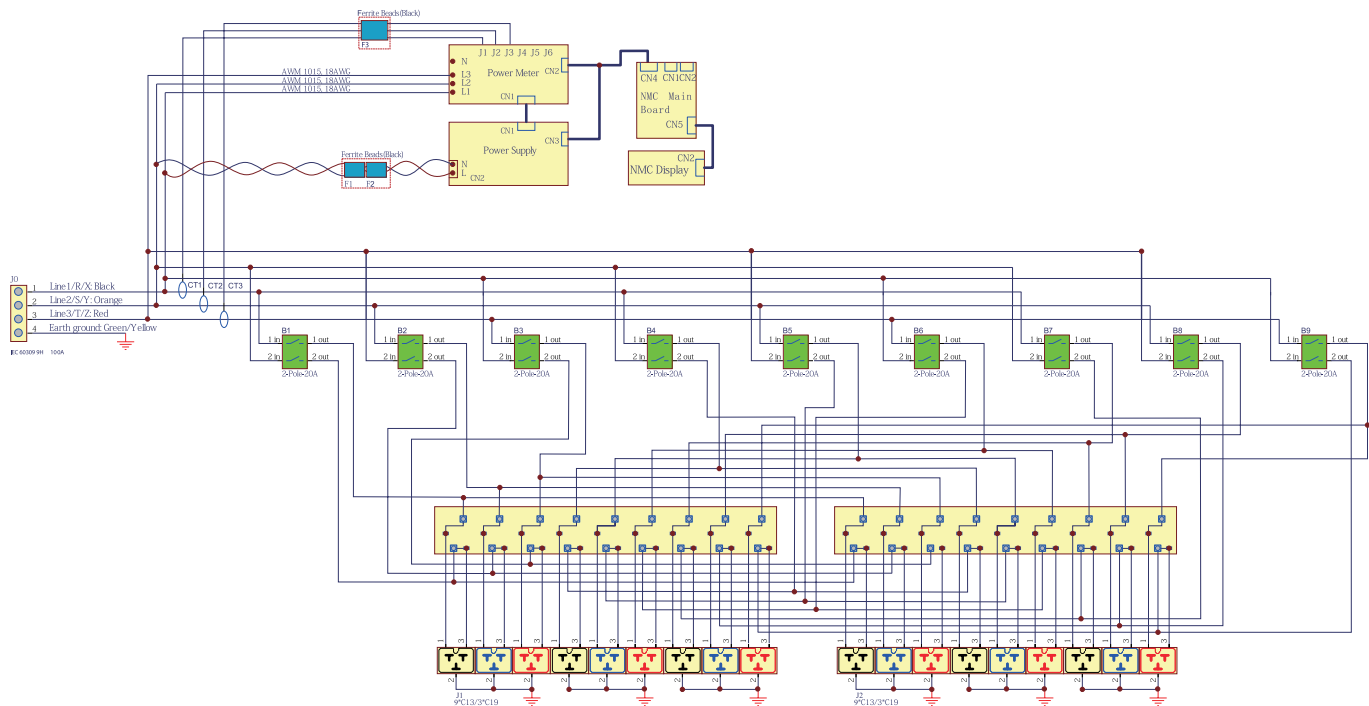
OVERCURRENT PROTECTION

Circuit Breaker Configuration

Circuit Breaker Type	(9) 20 A, 2-Pole, 10 kAIC, "temp stable, hy-mag type"
Circuit Interrupt Rating	10 kAIC
Circuit Breaker Trip Curve	Sensata Trip Curve 62/Carling Trip Curve 24
Inrush Pulse Tolerance	10 times rated current (approx.)
Dielectric Strength	3,750 VAC, 60 Hz, 60 seconds between all electrically isolated terminals
Vibration	Shall not trip when vibrated to MIL-STD-202, Method 204, Condition A, 100% load
Temperature Rating	-40 to 85°C (-40 to 185°F) Ambient
Handle Off Guard	Yes, Protects against accidental user actuation to OFF position



LINE DIAGRAM



INTERNAL WIRING SCHEMATIC

Environmental Sensors

EA9102	Single Temperature Probe
EA9103	Temperature and Humidity Combo Sensor
EA9105	3 x 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

WARRANTY AND DISCLAIMER

Warranty

nVent Enlogic branded 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 www.nVent.com/data-solutions/warranty-registration.

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Our powerful portfolio of brands:

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