ENLOGIC : EN6902

CONNECT AND PROTECT

60A (48A DERATED) (48A derated), 208VAC, 3-phase

METERED AND SWITCHED PER OUTLET – EN6 SERIES

The Advantage Series Outlet Metered, Outlet Switched PDU family offers energy metering with advanced power and environmental monitoring options and remote outlet on/off switching. Comprehensive monitoring at the input phase, circuit breaker, and individual outlet 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, circuit breaker, and individual outlet level measurements
Remote Outlet Switching	Yes

ELECTRICAL INPUT

Input Plug Type	460P9 (IP44)
Acceptable Input Voltage	208VAC, 3-phase
Input Current (Phase)	60A (48A DERATED) (48A derated)
Input Frequency	50/60 HZ
Max Input Power	17.3 kVA

ELECTRICAL OUTPUT

Output Voltage	208VAC
Overload Protection (Internal)	(6)2-pole,20A,5 kAIC,"temp stable, hy-mag type"
Outlet Configuration	12(C13),12(C19)

PHYSICAL

Chassis Dimensions (L x W x D)	1750.0 × 52.0 × 53.0 mm (68.90 × 2.05 × 2.09 in)
Depth At Circuit Breaker	75 mm (2.95 in)
Input Cord Length	3m (9.84')

ENVIRONMENTAL

Operating / Storage Temperature	-5 to 60C (23 to 140F) / -20 to 60C (-4 to 140F)
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: 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 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
Field Replacement	Hot swap replaceable module; fast plug-and-play connectivity
Module Orientation	Tool-less removal and 180 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 & Security support	Supports up to 10 digital sensor for environmental sensor and/or electronic locks

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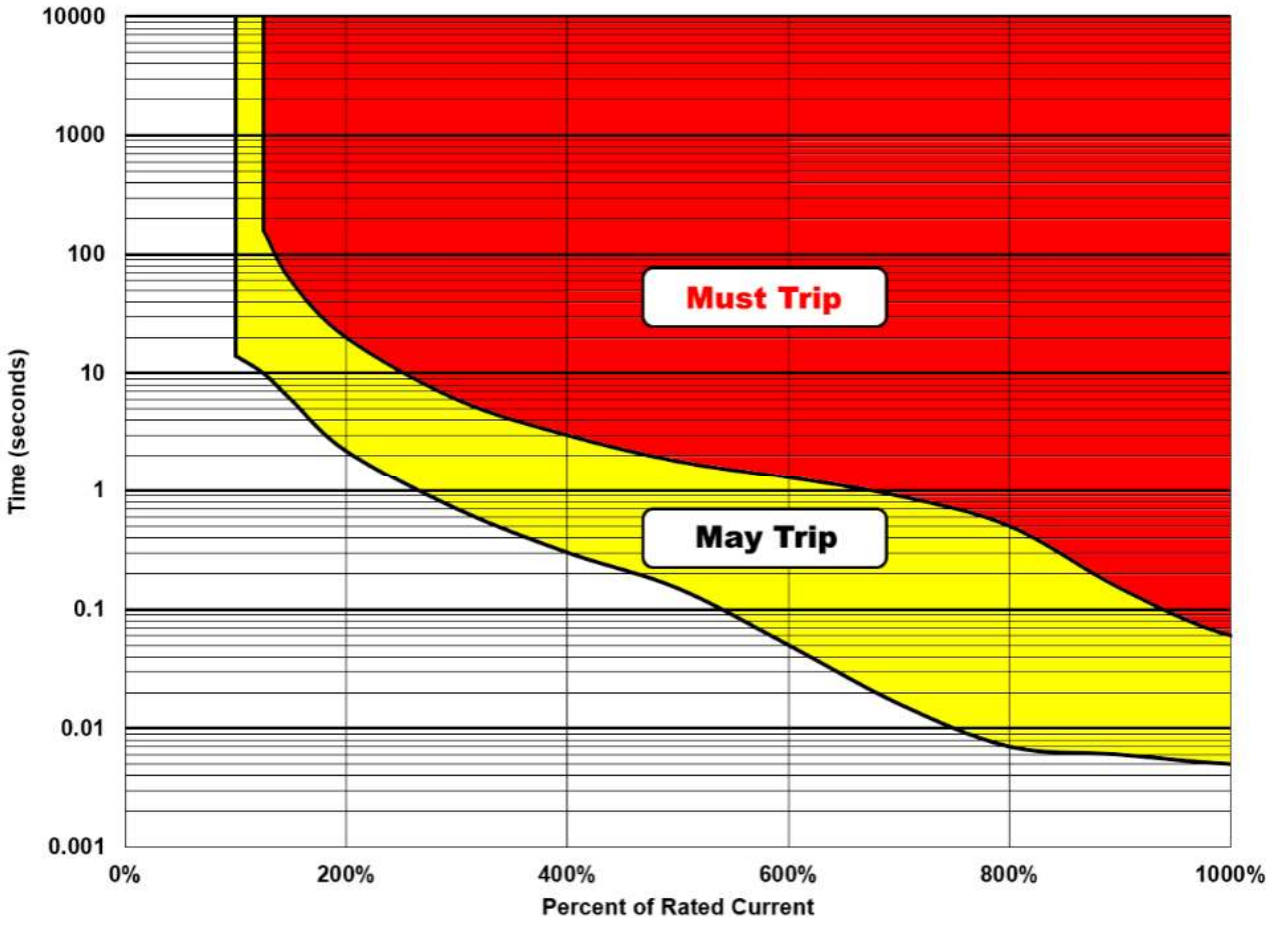
CONNECT AND PROTECT

OVERCURRENT PROTECTION

CIRCUIT BREAKER CONFIGURATION

Circuit Breaker Type	(6)2-pole,20A,5 kAIC,"temp stable, hy-mag type"
Circuit Interrupt Rating	5 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, 60Hz, 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



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CONNECT AND PROTECT

ENVIRONMENTAL SENSORS

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

WARRANTY AND TERMS

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 https://enlogic.com/warranty.

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ABOUT nVent

nVent is a leading global provider of electrical connection and protection solutions. We believe our inventive electrical solutions enable safer systems and ensure a more secure world. We design, manufacture, market, install and service high performance products and solutions that connect and protect some of the world's most sensitive equipment, buildings and critical processes. We offer a comprehensive range of enclosures, electrical connections and fastening and thermal management solutions across industry-leading brands that are recognized globally for quality, reliability and innovation. Our principal office is in London and our management office in the United States is in Minneapolis. Our robust portfolio of leading electrical product brands dates back more than 100 years and includes nVent CADDY, ERICO, HOFFMAN, RAYCHEM, SCHROFF and TRACER. Learn more at www.nvent.com.

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Our powerful portfolio of brands:
CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

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