

30A (24A DERATED) (24A derated), 120VAC, 1-phase



INPUT METERED PDU DATA SHEET - EN2 SERIES

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

ELECTRICAL INPUT

| | |
|--------------------------|---------------------------------|
| Input Plug Type | NEMA L5-30P |
| Acceptable Input Voltage | 120VAC, 1-phase |
| Input Current (Phase) | 30A (24A DERATED) (24A derated) |
| Input Frequency | 50/60 HZ |
| Max Input Power | 2.88 kVA |

ELECTRICAL OUTPUT

| | |
|--------------------------------|---|
| Output Voltage | 100-120VAC |
| Overload Protection (Internal) | (2)1-pole,20A,5 kAIC,"temp stable, hy-mag type" |
| Outlet Configuration | 18(5-20R) |

PHYSICAL

| | |
|--------------------------------|--|
| Chassis Dimensions (L x W x D) | 1490.0 × 52.0 × 53.0 mm (58.66 × 2.05 × 2.09 in) |
| Depth At Circuit Breaker | 53 mm (2.09 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 |
|------------------------|--|

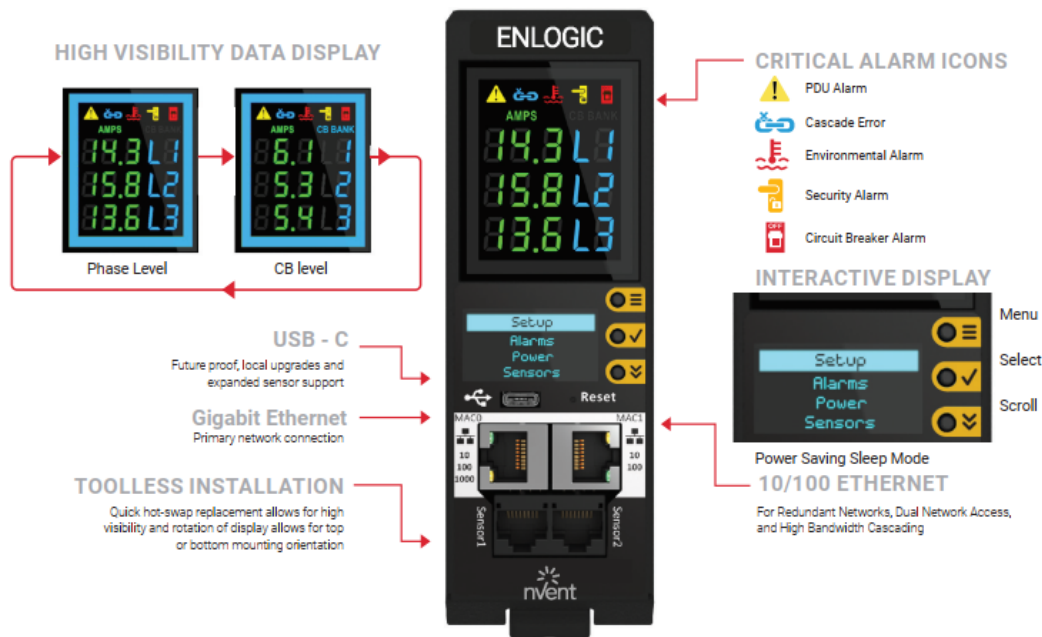
ADVANCED NETWORK MANAGEMENT MODULE – ADVANTAGE SERIES

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

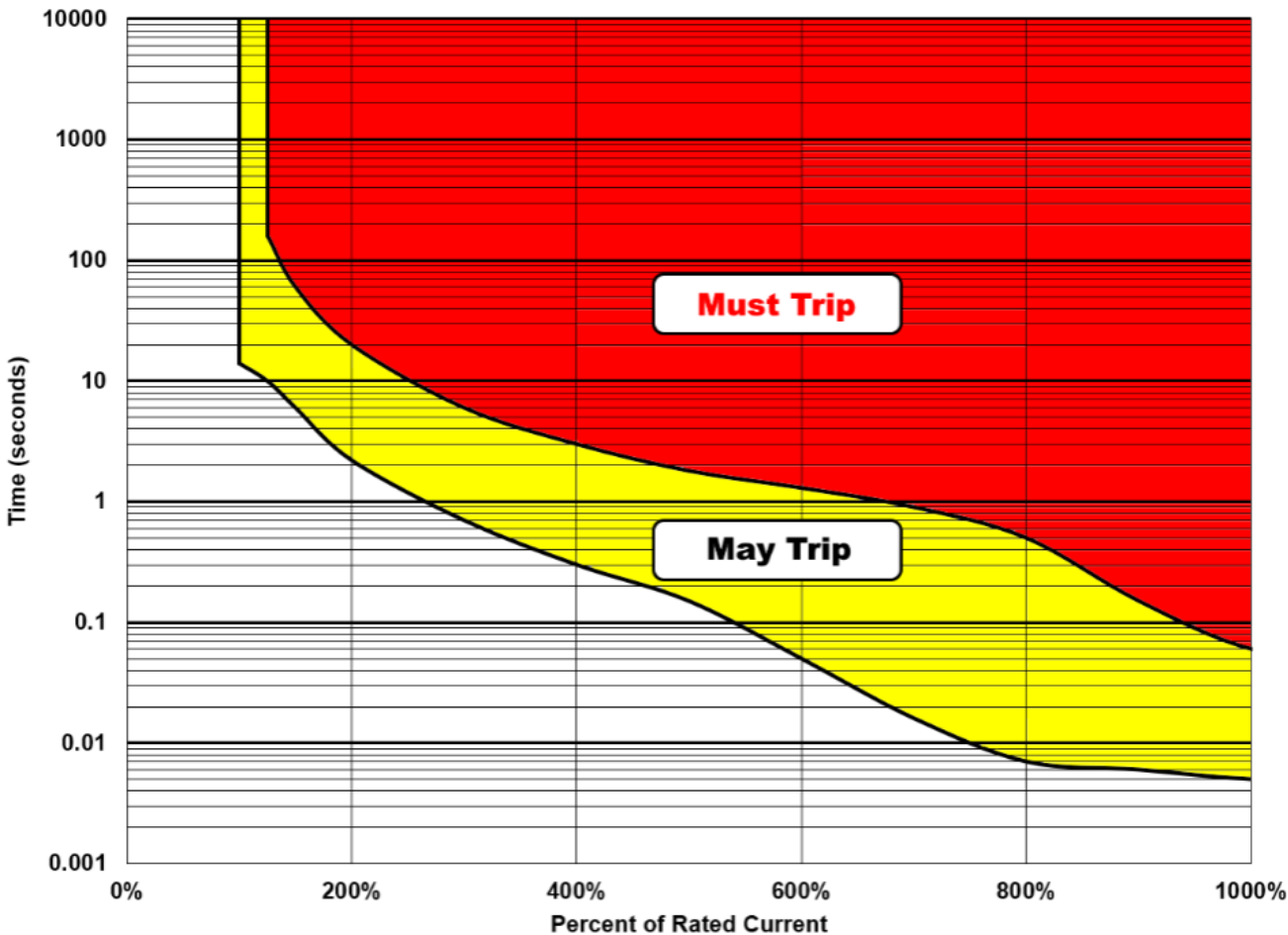
| | |
|---------------------------|--|
| Microprocessor/Memory | Cortex A-5 |
| Field Replacement | Hot swap replaceable module; fast plug-and-play connectivity |
| Module Orientation | Tool-less removal and 180 install capable for top or bottom power cord orientation |
| User Display | Dual Displays: 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 |



OVERCURRENT PROTECTION

CIRCUIT BREAKER CONFIGURATION

| | |
|----------------------------|---|
| Circuit Breaker Type | (2)1-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 |



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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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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