



Outlet Metered PDU Data Sheet – Advantage Series

The EN5810 Outlet Metered PDU combines comprehensive energy metering, power monitoring at the phase, circuit breaker, and outlet level with environmental and access monitoring. Billing grade watt-hour metering at both the input phase and outlet level provides accurate energy metering data for user billing purposes, PUE level 3 & efficiency metrics, and capacity management. Advanced network management features allow for a variety of remote access methods and integration with accessories including environmental monitoring and 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 outlet-level measurements |
| Remote Outlet Switching | No |
| Electrical Input | |
| Input Plug Type | IEC 60309 532P6 |
| Acceptable input voltage | 400V 3ph Wye |
| Input current (<i>phase</i>) | 32A |
| Input frequency | 50/60 Hz |
| Max Input power | 23.0 kVA @ 240 VAC |
| Electrical Output | |
| Output voltage | 230 V |
| Maximum output current (<i>phase</i>) | 32A |
| Overload protection (<i>internal</i>) | (6) 1-pole, 16A hydraulic-magnetic circuit breakers |
| Outlet configuration | (24)C13, (12)C19 |
| Physical | |
| Chassis Dimensions (L x W x D) in | 68.9 x 3.35 x 2.09 |
| Depth at circuit breaker, in | 2.087 |
| Input cord length | 10' |
| 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 | CE, Demko Certified to IEC/EN60950-1, RoHS, REACH |

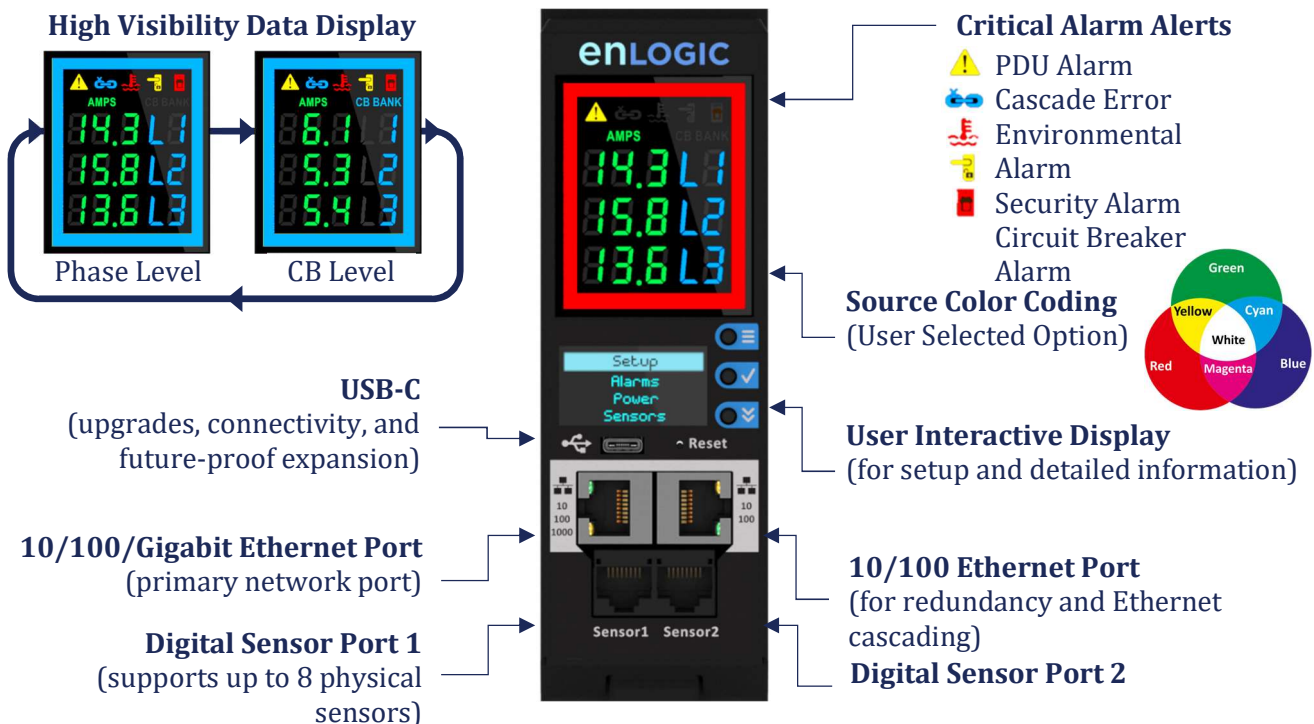
Advanced Network Management Module – Advantage Series

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 network connectivity allows redundancy and/or multiple stakeholder connectivity |
| 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

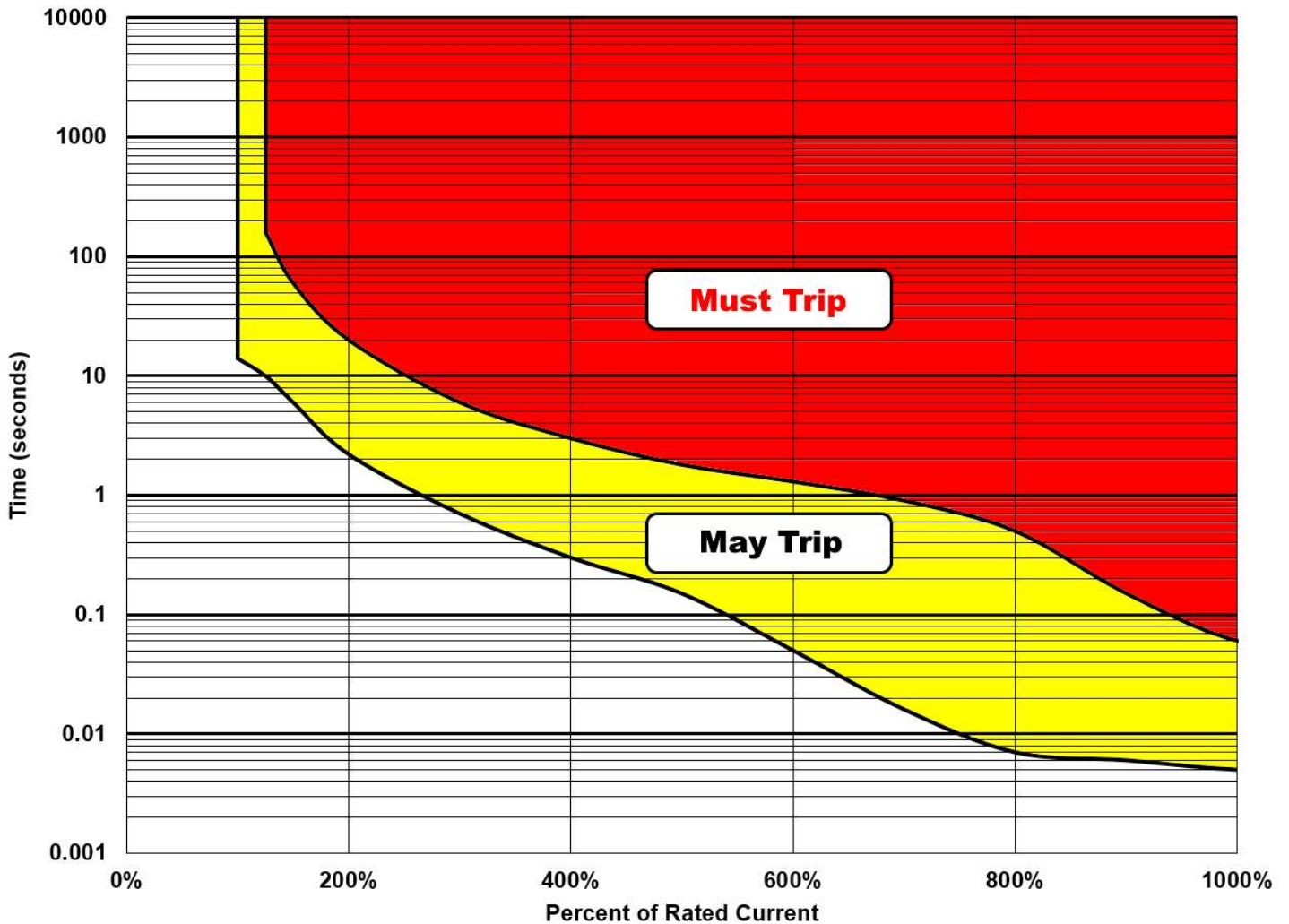
| | |
|-----------------------|--|
| Microprocessor/Memory | Cortex A-5 |
| Field Replacement | Hot swap replaceable module; fast plug-and-play connectivity |
| Module Orientation | Tool-less removal and 180° install capable for top or bottom power cord orientation |
| User Display | Dual Displays: large 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 & | Supports up to 8 digital sensors for environmental sensors and/or electronic locks |



Overcurrent Protection

Circuit Breaker Configuration

| | |
|----------------------------|---|
| Circuit Breaker Type | (6) 1-pole, 16A hydraulic-magnetic circuit breakers (temperature stable) |
| Circuit Interrupt Rating | 5,000 Amps (UL489) |
| 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 |
| EA9116 | Smoke Alarm Sensor |

Warranty and Terms

Warranty

CIS Global warranties Enlogic 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 www.enlogic.com/warranty.



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About CIS

CIS Global has delivered superior product development, manufacturing, and logistics management since 1955 to small and large customers across the globe. We specialize in data center products including mechanical motion and power management solutions. As world market share leader in precision server rails and OEM market share leader in PDUs, CIS designed and built products are found in nearly every data center worldwide.

CIS has more than 20 years' experience manufacturing more than 2-million best-in-class PDUs. CIS acquired Enlogic in 2015 and remains dedicated to providing the industry's most innovative power management solutions build with the highest manufacturing quality.

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