

Outlet Metered, Outlet Switched PDU Data Sheet – Advantage Series

The EN6810 Outlet Metered, Outlet Switched PDU combines complete energy & power metering, environmental & access monitoring, and remote outlet on/off switching for complete protection and control in critical environments. Outlet power-up sequencing protects against inrush current overload and allows users to define equipment boot-up order and timing, while billing-grade outlet level metering provides detailed equipment level power data. 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	Yes

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
------------------------	---



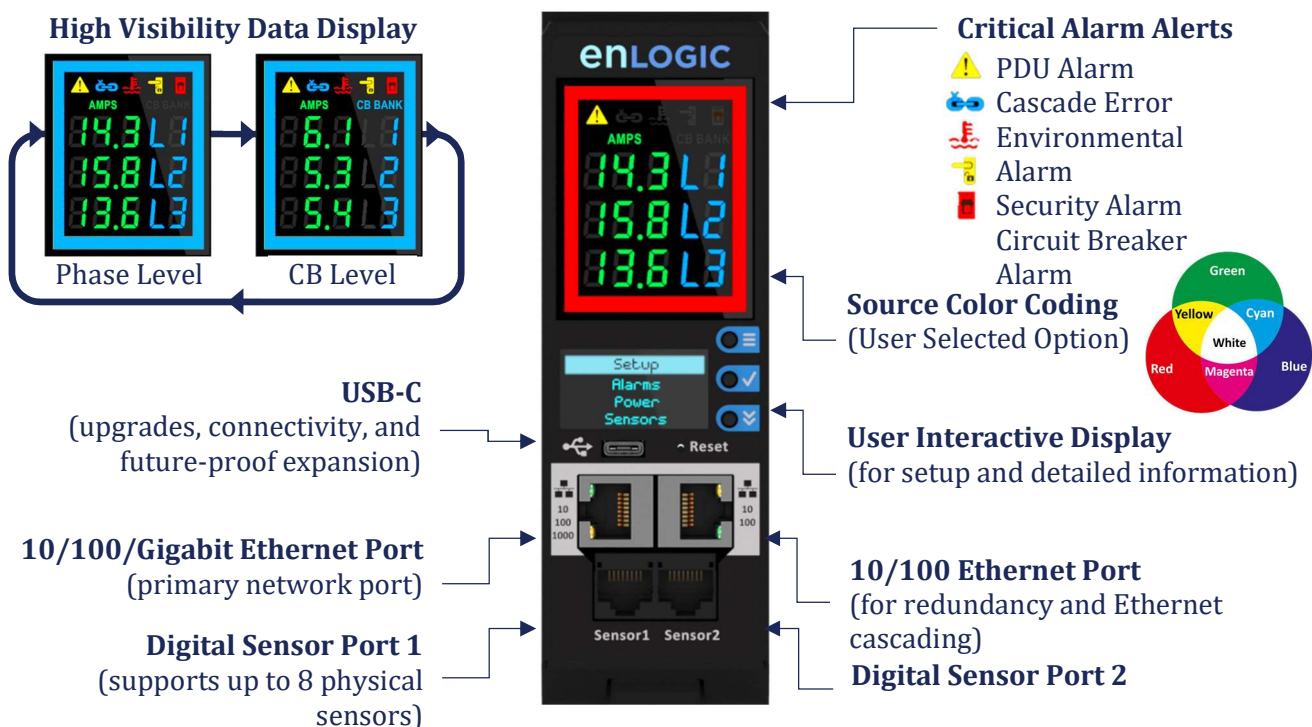
Advanced Network Management Module – Advantage Series

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

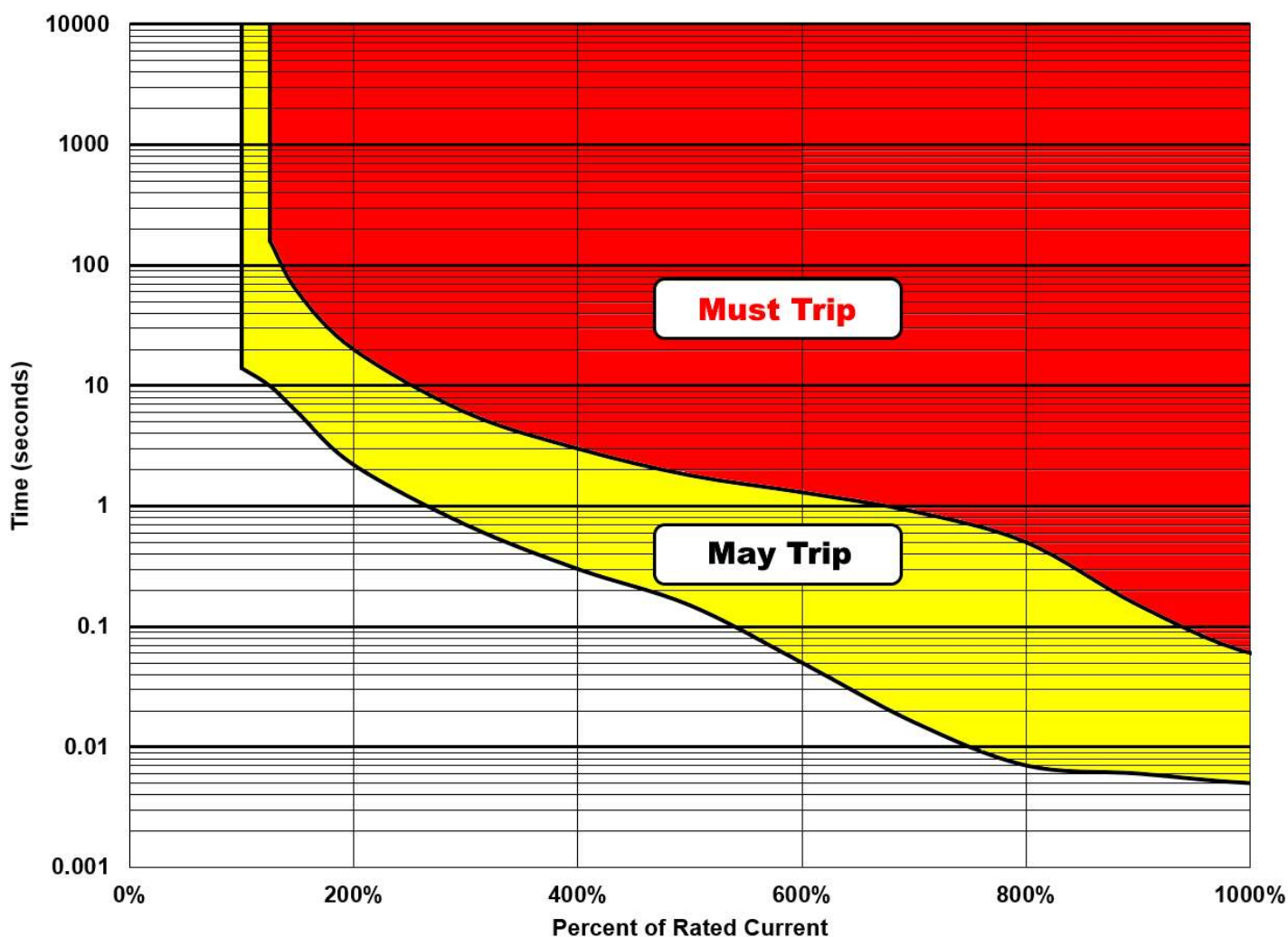
Microprocessor/Memory	Cortex A-5
Field Replacement	Hot swap replaceable module; fast plug-and-play connectivity
Module Orientation	Tool-less removal and 180° install capable for top or bottom power cord orientation
User Display	Dual Displays: large high visibility LED display for key metering information 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.



Disclaimer

Copyright © 2019, CIS Global LLC and/or its affiliates. All rights reserved. This document is provided for information purposes only and current at the time of publishing; the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission. Enlogic is registered trademark of CIS Global LLC and/or its affiliates.

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.