

## Model: EN1806

30A (24A derated), 208V 3ph Wye



## Input Metered PDU Data Sheet – EN2.0 Series

The EN1806 Input Metered PDU includes energy metering with advanced power and environmental monitoring options. Metering at the phase input and internal circuit breaker levels allow comprehensive overload monitoring and advanced alerts, while billing-grade watt-hour metering provides accurate power consumption data for energy use optimization and change 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 and circuit breaker level measurements
Remote Outlet Switching	No

### Electrical Input

Input Plug Type	NEMA L21-30P
Acceptable input voltage	208V 3ph Wye
Input current ( <i>phase</i> )	30A (24A derated)
Input frequency	50/60 Hz
Max Input power	8.64 kVA @ 208 VAC

### Electrical Output

Output voltage	120/208VAC
Maximum output current ( <i>phase</i> )	30A, (24A UL Derated)
Overload protection ( <i>internal</i> )	(2) 2-pole, 20A hydraulic-magnetic circuit breakers
Outlet configuration	(30)C13, (6)C19, (2)5-20R

### Physical

Chassis Dimensions (L x W x D) in	68.9 x 2.05 x 2.09
Depth at circuit breaker, in	2.953
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	UL Listed to UL60950-1, FCC Part 15B, RoHS Compliant
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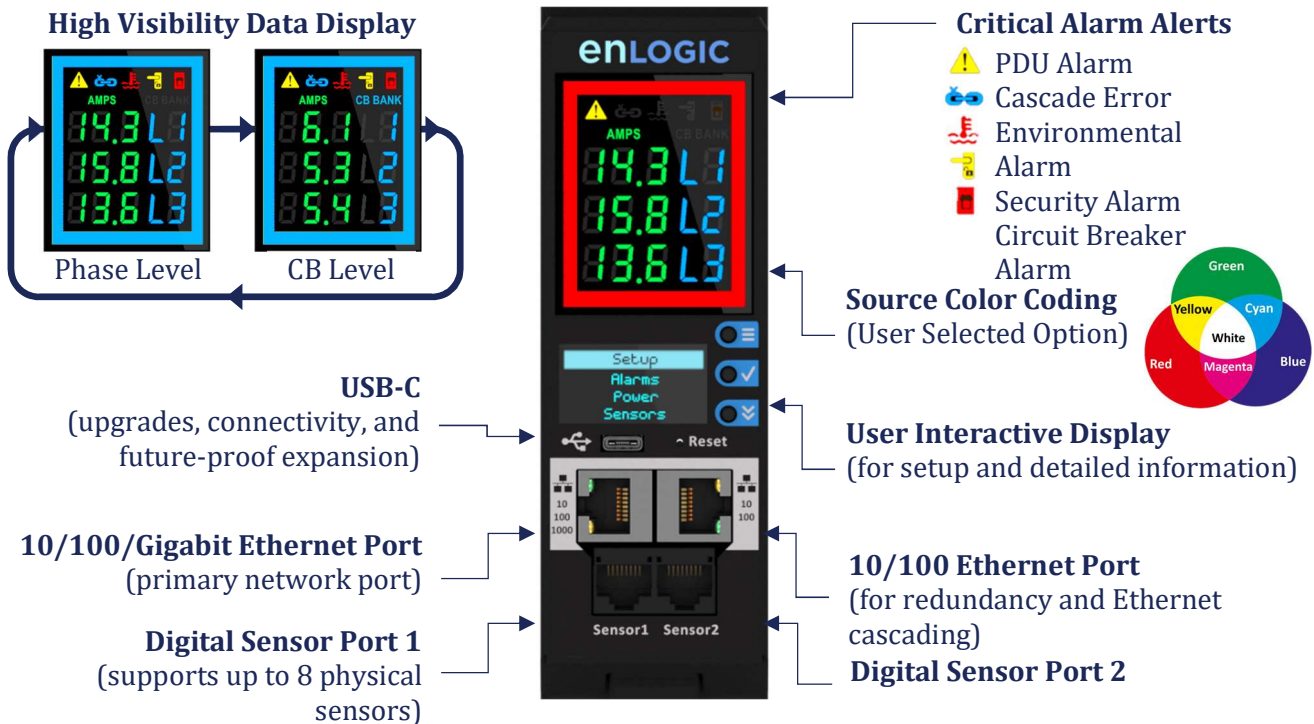
# Advanced Network Management Module – EN2.0 Series

## 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, Telnet, SSH, Virtual Serial, SNMP (v1, v2c, v3), JSON-RPC,
WebUI Interface	Data efficient REACT framework with native mobile device support

## Management Module Attributes

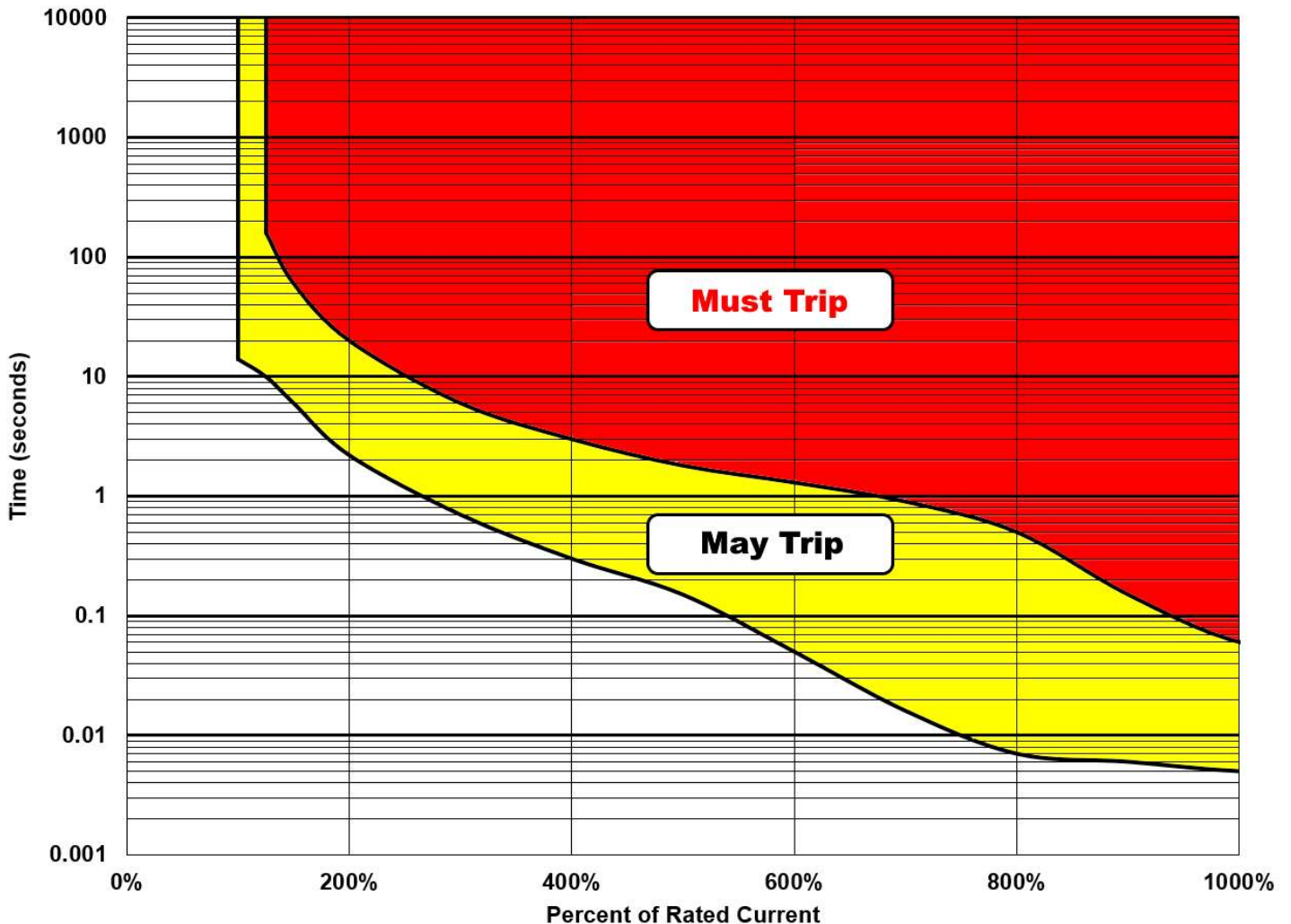
Microprocessor/Memory	Cortex A-5
Field Replacement	Hot swap replaceable module; fast plug-and-play connectivity
Module Orientation	Tool-less removal and 180° install capable for top or bottom power cord orientation
User Display	Dual Displays: large high visibility LED display for key metering information 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	(2) 2-pole, 20A 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](http://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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