Inline Energy Meter Data Sheet – EN2.0 Series

The EZ 1663 Inline Energy Meter allows users to upgrade existing basic PDUs or stand-alone equipment, such as storage racks and ancillary devices. Enlogic's Inline Energy Meters can be used to monitor power and environmental conditions for attached IT equipment. The EZ Series boasts billing-grade power and energy metering, and can connect up to 6 external sensors for complete threat detection and advanced alarm warnings. Inline Energy Meters eliminate the need for costly, time-consuming changes in a data center environment. Without losing critical uptime, or incurring costly engineering requirements, Inline Energy Meters save time, money, and reduce data center risk.
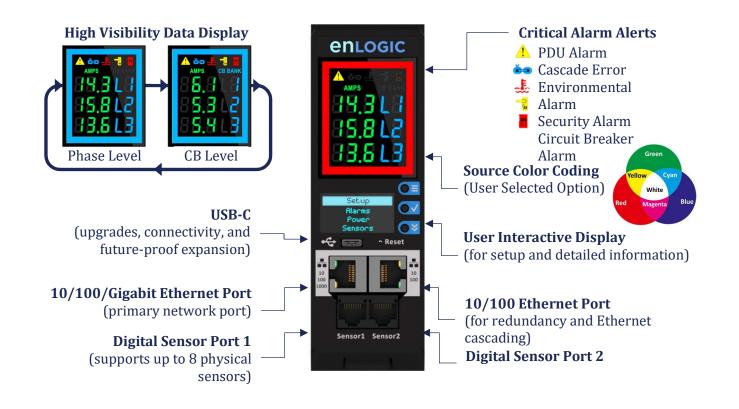
PDU Function	
Metering Attributes	Voltage(V), Current(A), Apparent Power(kVA), Real Power(kW), Power Factor, Energy (kWh)
Metering Accuracy	± 1% to ISO/IEC 62052-21
Metering Locations	Input phase outlet-level measurements
Remote Outlet Switching	No
Electrical Input	
Acceptable input voltage	220-240 VAC
Input current *(phase)*	63A
Input frequency	50/60 Hz
Max Input power	8.64 kVA @ 208 VAC
Input Connector	IEC 60309 363P6
Electrical Output	
Output voltage	220-240 VAC
Maximum output current *(phase)*	63A
Output Connector	IEC 60309 363C6
Physical	
Chassis Dimensions (L x W x D) mm	445.0 x 55.0 x 110.0
Input cord length, mm	1000
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

High Visibility Data Display

Phase Level   CB Level

Critical Alarm Alerts
- ⚠ PDU Alarm
- Cascade Error
- Environmental Alarm
- Security Alarm Circuit Breaker Alarm

Source Color Coding
(User Selected Option)

Green Cyan Yellow White Red Magenta Blue

USB-C
(upgrades, connectivity, and future-proof expansion)

User Interactive Display
(for setup and detailed information)

10/100/Gigabit Ethernet Port
(primary network port)

10/100 Ethernet Port
(for redundancy and Ethernet cascading)

Digital Sensor Port 1
(supports up to 8 physical sensors)

Digital Sensor Port 2

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

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.