

enLOGIC

Energy Series PDU

Introducing the industry's most innovative energy metering Rack Power Distribution Units (PDUs) designed to simplify rack management in your data center.

The PDU is a small but vital part of the data center energy supply chain – the IT gear can't function without it. You'll find one in every IT rack, usually two. But as a small component in a much bigger purchasing decision for both IT and facilities, it's often overlooked.

The Enlogic energy metering PDU is more than a simple power distribution unit and energy meter. Enlogic's intelligent PDUs sit within the rack actively monitoring the data centre environment, continually looking for threats from electrical circuit overloads, and any physical and environmental conditions that might place critical IT computing loads at risk. Enlogic's intelligent PDUs provide comprehensive, accurate energy measurement data needed to efficiently utilize power resources, make informed capacity planning decisions, improve uptime, measure PUE (power usage effectiveness) and drive green data center initiatives that could save you energy and money.

Making the right choice is critical to solving your specific rack management needs – let us guide you through our range of standard and configurable PDUs to help you find the specification that suits your business.

- ▶ **Metered PDU (EN1000 Series)** Real-time metering and network monitoring of power loads for overload avoidance, capacity & load balancing, and energy use optimization.
- ▶ **Metered, Outlet Switched PDU (EN2000 Series)** Remote outlet on/off switching for power-up sequencing, remote power cycling, and outlet use management combined with all features of the EN1000 Series.
- ▶ **Outlet Metered PDU (EN5000 Series)** Individual outlet power and energy metering combined with all features of the EN1000 Series.
- ▶ **Outlet Metered, Outlet Switched PDU (EN6000 Series)** Comprehensive management solution includes features of both the EN2000 and EN5000 Series.
- ▶ **Inline Energy Meter (EZ1000 Series)** Energy metering device adds EN1000 Series capabilities for existing basic PDUs or stand-alone equipment.



The Critical Component

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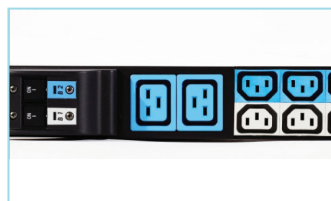
Power and Energy Metering (V, A, VA, W, kWh, PF) to +/- 1% billing-grade accuracy.

Circuit Breaker Status Monitoring provides active monitoring and alarming of circuit breaker on/off status (excludes EN1000 series).

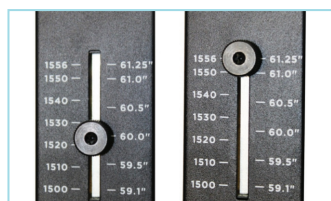


Hot Swappable Network Management Card for industry best MTTR.

Environmental Monitoring ready with support for up to 6 plug-and-play sensors.



Color-Coded Outlets and Breakers for easy visual identification.



Adjustable Tool-less Mounting and universal mounting brackets included for ease of installation.

Field Rewireable Top or Front Power Cord.



Premium Hydraulic-Magnetic Branch Circuit Breakers are stable at extreme hot aisle temperatures.



Ultra-Low Profile Design.

- Chassis depth is only 44 mm on EN1000 models, and 50 mm on all other models.
- Breaker depth is only 56 mm on most EN1000 models, and 62 mm on most others.

Large, easy-to-view OLED Display.



Daisy chain to manage and monitor up to 4 PDUs and 24 environmental sensors through a single IP address.



Locking IEC Receptacles provide secure power connection when used with optional locking power cords.

Product Range

Custom configurable PDU options are available

EN2000, EN5000, and EN6000 Series

	Input Circuit	Max Power	Total Outlets	Outlet Configuration	Input Plug Type	Chassis Depth (L x W x D), mm	Max Chassis Depth at Breaker, mm	ENLOGIC SKU		
								PDU METERED OUTLET SWITCHED EN2000	OUTLET METERED EN5000	OUTLET METERED OUTLET SWITCHED EN6000
1-Phase	16A	3.84kVA	12	(12)C13	IEC 309, 3 pin	1065 x 55 x 44	50	EN2101	EN5101	EN6101
	32A	7.68kVA	22	(18)C13 (4)C19		1730 x 55 x 50	62	EN2105	EN5105	EN6105
	32A	7.68kVA	24	(20)C13 (4)C19		1826 x 55 x 50	62	EN2113	EN5113	EN6113
	32A	7.68kVA	24	(24)C13		1730 x 55 x 50	62	EN2103	EN5103	EN6103
	32A	7.68kVA	32	(32)C13		1826 x 55 x 50	80	EN2102	EN5102	EN6102
3-Phase	16A	11.52kVA	24	(18)C13 (6)C19	IEC 309, 5 pin	1730 x 55 x 50	n/a	EN2110	EN5110	EN6110
	32A	23.04kVA	24	(12)C13 (12)C19		1826 x 55 x 50	80	EN2111	EN5111	EN6111
	32A	23.04kVA	24	(24)C13		1826 x 55 x 50	80	EN2112	EN5112	EN6112

EN1000 Series

	Input Circuit	Max Power	Total Outlets	Outlet Configuration	Input Plug Type	Chassis Depth (L x W x D), mm	Max Chassis Depth at Breaker, mm	ENLOGIC SKU PDU METERED
1-Phase	16A	3.84kVA	24	(24)C13	IEC 309, 3 pin	1065 x 55 x 44	n/a	EN1101
	32A	7.68kVA	36	(30)C13 (6)C19		1730 x 55 x 44	56	EN1105
	32A	7.68kVA	42	(36)C13 (6)C19		1826 x 55 x 44	56	EN1113
3-Phase	16A	11.52kVA	42	(36)C13 (6)C19	IEC 309, 5 pin	1730 x 55 x 44	n/a	EN1119
	32A	23.04kVA	36	(24)C13 (12)C19		1730 x 55 x 50	74	EN1120
	32A	23.04kVA	42	(30)C13 (12)C19		1826 x 55 x 50	74	EN1111
	32A	23.04kVA	48	(48)C13		1826 x 55 x 44	74	EN1112

Enlogic PDUs and Inline Energy Meters are available with an industrial IP66 AS/NZ 3123 straight plug (SKUx7001) or an industrial IP66 AS/NZ 3123 angled plug (SKUx7002).

EZ1000 Inline Energy Meter

	Input Circuit	Max Power	Input Plug Type	Chassis Depth (L x W x D), mm	ENLOGIC SKU
					INLINE ENERGY METER
1-Phase	16A	3.84kVA	IEC 309, 3 pin	350x55x110	EZ1151
	32A	7.68kVA		350x55x110	EZ1152
	63A	15.12kVA		445x55x110	EZ1154
3-Phase	16A	11.52kVA	IEC 309, 5 pin	350x55x110	EZ1156
	32A	23.04kVA		350x55x110	EZ1157
	63A	45.36kVA		445x55x110	EZ1159

Environmental Sensors

Description	ENLOGIC SKU
Temperature Sensor	EA9102
Temperature and Humidity Sensor	EA9103
(3) Temperature + (1) Humidity Sensor	EA9105
Sensor Input Hub (3 sensor inputs)	EA9106
Dry Contact Cable	EA9110
Spot Fluid Leak Sensor	EA9111
Rope Fluid Leak Sensor	EA9112

**Hot Swappable
Network Management Card**
for industry best MTTR.

**Daisy chain to manage
and monitor up
to 4 PDUs and 24
environmental sensors at
a single IP address.**

Environmental Monitoring ready
with support for up to 6 plug-and-
play sensors.



Power and Energy Metering
(V, A, VA, W, kWh, pf)
to +/- 1% billing-grade
accuracy.

Field Rewireable
top or front input
and output cords.

Product Features

	Outlet Metered, Outlet Switched EN6000	Outlet Metered EN5000	PDU Metered, Outlet Switched EN2000	PDU Metered EN1000	Inline Energy Meter EZ1000
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PDU Power Metering and Monitoring

- PDU level watt-hour energy metering (kWh)
- PDU level power measurements (W)
- Input Phase level power measurements (V, A, VA, kWh, PF)
- Circuit breaker level current measurements
- High-accuracy, billing-grade metering capabilities
- Embedded memory log to record/view/report historical data
- User customizable alarm thresholds & notifications

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Outlet Level Switching

- Remote On/Off power control by individual outlet
- User-defined power-on time delay to sequence IT equipment
- Automatic sequencing to avoid inrush current overload
- Outlet level user security with assignable roles and user access

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Outlet Level Power Metering

- Outlet level watt-hour energy metering (kWh)
- Outlet level power measurements (V,A,VA, W, PF)
- Outlet level information for Green Grid Level 3 PUE Calculations

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Design Features

- Low profile, space saving design
- Ultra low profile circuit breakers on most models
- Adjustable tool-less mounting system
- Color-coded receptacles
- Locking IEC receptacles and locking power cord compatible
- Field rewirable input cord for front or top mounting
- Units with UK, German or French convenience outlets

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Environmental & Security Management

- Optional Plug & Play environmental sensors including temperature, humidity, dry contact and water leak
- Rack access monitoring with door contact switch
- User customizable alarm thresholds and notifications

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Network Management and Local Display Interface

- Full featured network management and alerting capabilities supporting HTTP, HTTPS, SSH, Telnet, SNMP, and email
- Strong encryption, passwords, and advanced authorization options including local permissions, LDAP/S, and Active Directory
- Daisy Chain up to 4 Rack PDU's and 24 environmental sensors through a single IP address
- Largest-in-class, high-visibility, OLED display

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Circuit Breaker Status Monitoring

- Active monitoring and alarming of circuit breaker on/off status

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Enlogic Systems Europe, Ltd.
Worcester
United Kingdom WR1 2PG
sales@emea.enlogic.com

Enlogic Systems, LLC.
Wildwood
Missouri USA 63040
sales@amer.enlogic.com

Enlogic Systems Asia Pacific, Ltd.
Tsim Sha Tsui
Kowloon, Hong Kong
sales@apac.enlogic.com