

# enLOGIC

## Energy Series PDU Product Guide



The Critical Component

## Welcome to the Enlogic Energy Series of PDUs

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 which 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.

































## Product families:

- ▶ 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.

## Product Range

### EN2000, EN5000, and EN6000 Series































	Input Circuit	Max Power	Total Outlets	Outlet Configuration		
1-Phase	16A	3.84kVA	12	 (12)C13		
	32A	7.68kVA	22	 (18)C13	 (4)C19	
	32A	7.68kVA	24	 (20)C13	 (4)C19	
	32A	7.68kVA	24	 (24)C13		
	32A	7.68kVA	32	 (32)C13		
	32A	7.68kVA	22	 (18)C13	 (2)C19	 (2)BS1363
	32A	7.68kVA	24	 (20)C13	 (2)C19	 (2)BS1363
	32A	7.68kVA	22	 (18)C13	 (2)C19	 (2)Schuko
	32A	7.68kVA	24	 (20)C13	 (2)C19	 (2)Schuko
	32A	7.68kVA	22	 (18)C13	 (2)C19	 (2)French
3-Phase	32A	7.68kVA	24	 (20)C13	 (2)C19	 (2)French
	16A	11.52kVA	24	 (18)C13	 (6)C19	
	32A	23.04kVA	24	 (12)C13	 (12)C19	
	32A	23.04kVA	24	 (24)C13		

Custom configurable PDU options are available

Chassis Depth (L x W x D), mm	Max Chassis Depth at Breaker, mm	ENLOGIC SKU		
		PDU METERED OUTLET SWITCHED <b>EN2000</b>	OUTLET METERED <b>EN5000</b>	OUTLET METERED OUTLET SWITCHED <b>EN6000</b>
1065 x 55 x 50	n/a	EN2101	EN5101	EN6101
1730 x 55 x 50	62	EN2105	EN5105	EN6105
1826 x 55 x 50	62	EN2113	EN5113	EN6113
1730 x 55 x 50	62	EN2103	EN5103	EN6103
1826 x 55 x 50	80	EN2102	EN5102	EN6102
1730 x 55 x 50	62	EN2109	EN5109	EN6109
1826 x 55 x 50	62	EN2118	EN5118	EN6118
1730 x 55 x 50	62	EN2108	EN5108	EN6108
1826 x 55 x 50	62	EN2116	EN5116	EN6116
1730 x 55 x 50	62	EN2106	EN5106	EN6106
1826 x 55 x 50	62	EN2115	EN5115	EN6115
1730 x 55 x 50	n/a	EN2110	EN5110	EN6110
1826 x 55 x 50	80	EN2111	EN5111	EN6111
1826 x 55 x 50	80	EN2112	EN5112	EN6112

## Product Range

### EN1000 Series

	Input Circuit	Max Power	Total Outlets	Outlet Configuration
1-Phase	16A	3.84kVA	24	 (24)C13
	32A	7.68kVA	36	 (30)C13  (6)C19
	32A	7.68kVA	42	 (36)C13  (6)C19
	32A	7.68kVA	36	 (30)C13  (4)C19  (2)BS1363
	32A	7.68kVA	42	 (36)C13  (4)C19  (2)BS1363
	32A	7.68kVA	36	 (30)C13  (4)C19  (2)Schuko
	32A	7.68kVA	42	 (36)C13  (4)C19  (2)Schuko
	32A	7.68kVA	36	 (30)C13  (4)C19  (2)French
	32A	7.68kVA	42	 (36)C13  (4)C19  (2)French
3-Phase	16A	11.52kVA	42	 (36)C13  (6)C19
	32A	23.04kVA	36	 (24)C13  (12)C19
	32A	23.04kVA	42	 (30)C13  (12)C19
	32A	23.04kVA	48	 (48)C13

Custom configurable PDU options are available

<b>Chassis Depth (L x W x D), mm</b>	<b>Max Chassis Depth at Breaker, mm</b>	<b>ENLOGIC SKU PDU METERED</b>
1065 x 55 x 44	n/a	EN1101
1730 x 55 x 44	56	EN1105
1826 x 55 x 44	56	EN1113
1730 x 55 x 44	56	EN1109
1826 x 55 x 44	56	EN1118
1730 x 55 x 44	56	EN1108
1826 x 55 x 44	56	EN1116
1730 x 55 x 44	56	EN1106
1826 x 55 x 44	56	EN1115
1730 x 55 x 44	n/a	EN1119
1730 x 55 x 50	74	EN1120
1826 x 55 x 50	74	EN1111
1826 x 55 x 44	74	EN1112

## PDU Features



**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.

**Field Rewireable**  
Top or Front Power Cord.



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

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

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

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



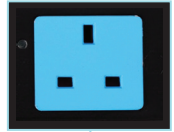




**Large, easy-to-view OLED Display.**



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



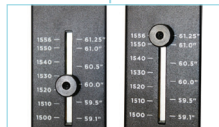
**Localized Convenience Outlets** options including UK BS1363, German CEE 7/4, and French CEE 7/5.



**Color-Coded Outlets and Breakers** for easy visual identification.

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

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



## Product Range

### EZ1000 Inline Energy Meter

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

**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 Range

### Environmental Sensors

Description	ENLOGIC SKU
Alarm Beacon	EA9101
Temperature Sensor	EA9102
Temperature and Humidity Sensor	EA9103
(3) Temperature + (1) Humidity Sensor	EA9105
Sensor Input Hub (3 sensor inputs)	EA9106
Door switch sensor	EA9109
Dry Contact Cable	EA9110
Spot Fluid Leak Sensor	EA9111
Rope Fluid Leak Sensor	EA9112
Smoke Sensor	EA9116

## Equipment Jumper Power Cords (6 cords per pack)

PDU Side Plug	Server/IT Equipment Connector	Rating	Cable Length	ENLOGIC SKU		
				Black Color	Blue Color	Gray Color
C14, Locking Style	C13, Universal Locking Style	10A, 250V	0.6m	EP8702	EP8702B	EP8702G
			1.2m	EP8704	EP8704B	EP8704G
			1.8m	EP8706	EP8706B	EP8706G
C20, Locking Style	C19, Universal Locking Style	16A, 250V	0.6m	EP8712	EP8712B	EP8712G
			1.2m	EP8714	EP8714B	EP8714G
			1.8m	EP8716	EP8716B	EP8716G

## PDU Input Power Cords for 16A, Single phase PDUs (1 cord per pack)

PDU Input Plug	PDU Power Input Connector	Rating	Cable Length	ENLOGIC SKU
C14, Locking Style	C13, Universal Locking Style	16A, 250V	3.0m	EP8750
C20, Locking Style	C19, Universal Locking Style	16A, 250V	3.0m	EP8751
UK style BS1367	C19, Universal Locking Style	16A, 250V	3.0m	EP8752
Euro Style CEE 7/7	C19, Universal Locking Style	16A, 250V	3.0m	EP8753

*These PDU power cords are not used with the EZ series inline energy meters.*

## Product Features

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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

### 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

### 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

### 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

### 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

### Network Management and Local Display Interface

- Full featured network management and alerting capabilities supporting HTTP, HTTPS, SSH, Telnet, SNMP, Syslog 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

### Circuit Breaker Status Monitoring

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

Outlet Metered,  
Outlet Switched  
EN6000

Outlet Metered  
EN5000

PDU Metered,  
Outlet Switched  
EN2000

PDU Metered  
EN1000

Inline  
Energy Meter  
EZ1000



# enLOGIC

The Critical Component

LT-50016-A9-US



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

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

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

[www.enlogic.com](http://www.enlogic.com)