

## Eaton FlexPDU

Simple to configure, easy to manage



*Powering Business Worldwide*

# Whether you have a network closet, server room, or data center, the Eaton FlexPDU provides an easy-to-configure solution to power your IT equipment.

Through its flexible design, the Eaton FlexPDU allows you to quickly configure your ePDU saving you time and reducing costs while serving as a key piece of the Eaton data center infrastructure solution.

## Highlights include:

- Modular design for greater quality and easy customization
- National and international plug and outlets options
- Light-weight design
- Tool-less mounting
- Hot-swap network metered modules
- Remote access via network metered
- IEC plug locking outlets
- Compatible with Eaton's Intelligent Power Manager™

Eaton offers a wide-range of configurations, making it easy to choose the solution that best fits your needs.



## Basic

Light-weight, low-profile design which can be easily configured to your application.



## Local Metered

A cost-effective metering option for on-site monitoring. Includes LED screen for rack-level power metering.



## Network Metered

Allows for remote access, rack environmental monitoring, active alarms and is compatible with Eaton's Intelligent Power Manager™



# Eaton's FlexPDU offers the greatest value, saving you time and money while reducing risk.

## Save Time.



**Fast Configuration**  
Customize your FlexPDU with a wide range of outlets, plugs, breakers and surge protection.



**Easy Installation**  
Tool-less mounting for quick installation on Eaton RE Series enclosures.



**Remote Access Monitoring**  
Monitor your power consumption via device software and Eaton's Intelligent Power Manager™

## Save Money.



**Modular Design**  
Modular chassis design allows for easy configuration and lower costs.



**Hot-Swap Network Meter**  
Upgrade or replace network meter without removing power, resulting in greater network uptime



**Bundled Solutions**  
Minimize data center cost and complexity by choosing the complete Eaton power and enclosure solution.

## Reduce Risk.



**Locking IEC outlets**  
C13 and C19 locking outlets for full cable retention



**Certified Plugs and Outlets**  
Wide range of international and national outlets and plugs

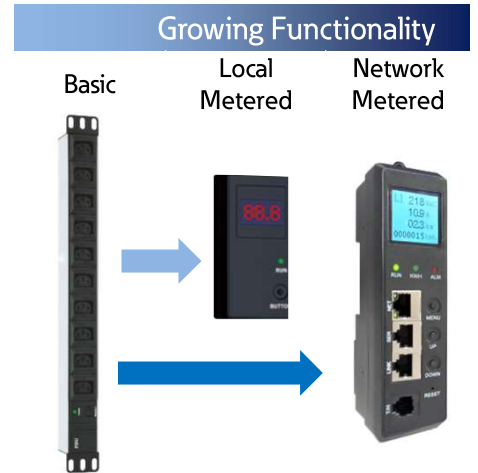
**2 Year Standard Warranty**

**High Reliability**  
Every unit is quality tested before shipping. 2-year standard warranty with extended options.

# Option 1. Choose a standard FlexPDU to meet your application.

Standard configurations allow you to quickly choose the right ePDU for your application. Eaton's FlexPDU's are offered in 3 types.

- Basic
- Local Metered
- Network Metered



## FlexPDU Features

Feature	Basic	Local Metered	Network Metered
Safe, reliable and cost effective	X	X	X
Modular chassis design	X	X	X
National and International Plugs & Outlets	X	X	X
Locking IEC outlets (Optional)	X	X	X
Circuit Breaker and Surge Protection (Optional)	X	X	X
Easy to operate and set-up	X	X	X
1-Phase and 3-Phase Options	X	X	X
Easy to read LCD & LED Options		X	X
1% metering accuracy		X	X
Hot Swap Metering			X
Remote monitoring via network and IPM			X
Daisy Chain (up to 4)			X
Active Alarms			X
Environmental Sensors			X
Compatible with Intelligent Power Manager™			X

Input Type / Rating (A)	Outlet type: Qty	Circuit Breaker	Config	Dimensions L x W x D, mm	Standard Part Numbers		
					Basic	Local Metered	Network Metered
1-Phase Models	12 x C13		1U	481 x 50 x 44	EFLXB01H		
	16 x C13		0U	980 x 50 x 44	EFLXB03	EFLXL03	EFLXN03
IEC60320 C14 10A	12 x C13		1U	481 x 50 x 44	EFLXB02H		
	16 x C13		0U	980 x 50 x 44	EFLXB21	EFLXL21	EFLXN21
IEC60320 C20 16A	20 x C13 : 4 x C19		0U	1191 x 50 x 44	EFLXB22	EFLXL22	EFLXN22
	18 x C13 : 2 x C19		0U	1191 x 50 x 44	EFLXB10	EFLXL10	EFLXN10
IEC60309 16A	20 x C13 : 4 x C19		0U	1191 x 50 x 44	EFLXB04	EFLXL04	EFLXN04
	20 x C13 : 4 x C19	2 x 16A	0U	1359 x 50 x 44	EFLXB05	EFLXL05	EFLXN05

### Standard Part Numbers Include:

- IEC certified outlets (locking)
- IEC certified plugs
- Easily visible LED Screen (Local Metered)
- High resolution LCD screens (Network Metered)
- 3 meter power cord
- Eaton Air Circuit Breakers (where applicable)
- Tool-less mounting buttons
- 2 Year Warranty

# Option 2. Configure your own FlexPDU

FlexPDU Configurator: EFLX ab#c#d#efgh

EFLX	PDU family	EFLX = Eaton FlexPDU
a	PDU Type	B = Basic L = Local Metered (Built-In) N = Network Metered (Hot-swap)
b	Meter Type (Metered Only)	C = LCD E = LED [ ] = N/A (Basic PDU)
#	PDU rack mounting space	0 = 0U 1 = 1U
c	Input Plug	See "Plugs", below
#d	Outlets (1)	(#) x Outlet, See "Outlets", below
#e	Outlets (2)	(#) x Outlet, See "Outlets", below [ ] = N/A
f	Chassis Color	B=Black [ ]=Default B
g	Circuit Breaker	C = Air Circuit Breaker (Eaton) [ ] = N/A
h	Surge Protector	S = Surge Protector [ ] = N/A

Example 1: EFLX NCOD20A6BCS includes:


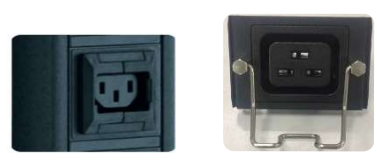


- Network Metered FlexPDU
- LCD Screen
- 0U (Vertical) Configuration
- 1-Phase, IEC60309 (32A) Plug
- 20 x C13 Locking Outlets
- 6 x C19 Outlets
- Eaton Air Circuit Breaker
- Surge Protection

Example 2: EFLXB0B16A includes:

- Basic FlexPDU
- 0U (Vertical) Configuration
- 1-Phase, IEC6320 C20 (16A) Plug
- 16 x C13 Locking Outlets

### Notes:

- Total outlets cannot exceed 36 for a 42U enclosure.
- Max 5 outlets for 1U metered configurations
- Max 2 styles of outlets per PDU
- Standard color black, custom colors available on request

Plugs	Outlets
<p><b>International</b></p> <p>A = IEC 60320 C14 (10A, 1P)            B = IEC 60320 C20 (16A, 1P)            C = IEC 60309 (16A, 1P)            D = IEC 60309 (32A, 1P)            E = IEC 60309 (16A, 3P)            F = IEC 60309 (32A, 3P)</p> 	<p><b>International</b></p> <p>A = IEC320 C13 (locking)            B = IEC320 C19 (locking)</p>  <p>C13                      C19</p>
<p><b>National</b></p> <p>L = AS/NZS 3112-10A (10A, 1P)            M = AS/NZS 3112-15A (15A, 1P)            N = Clipsal (15A, 3P)            O = Clipsal (32A, 3P)            P = GB (16A)            Q = UK (13A)            R = NEMA (5-15P)            S = NEMA (5-20P)</p>  <p>AS/NZS                      Clipsal</p> <p>UK                      GB                      NEMA</p>	<p><b>National</b></p> <p>L =AS/NZS-10A            M = AS/NZS-15A            N = GB (10A)            O = GB (16A)            P = UK            Q = UK (45°)            R = NEMA (5-15R)            S = NEMA (5-20R)</p>  <p>AS/NZS                      GB</p> <p>NEMA                      UK (45°)                      UK</p>

# Option 3. Need something special? Customized solutions available.

Contact your Eaton representative to create a customized solution for your application.

# Remotely access your Network Metered FlexPDU™

## Network Meter

The FlexPDU Network Meter can provide the following online functions:

- ePDU Load monitoring with billing-grade accuracy (1%)
- SNMP v1 communication
- Password protected
- Monitor up to 5 units through a single IP address (via Daisy Chain)
- IPM Compatibility for complete power system management
- User-defined alarms (email and audible)



**EATON FlexPDU**

Device State

Threshold Settings

Device Settings

User Settings

Network

SNMP/Teinet

E-mail Alarm Settings

Restart

**Device Show Information**

PDU: Master

Input: AC

Input Line: Line 1

L1	0 A
214 V	0 kW
26.4 kWh	

Item	Name	Status	Unit
1	Line 1 Current	0	A
2	Line 1 Voltage	214	V
3	Line 1 Power	0	kW
4	Line 1 Energy	26.4	kWh
5	Temperature	0	°C
6	Humidity	0	%

**EATON FlexPDU**

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Restart

**Current Settings**

Item	Name	State(A)	Min(A)	Max(A)	Save
1	Line 1 current	0	0	32	Save
2	Line 2 current	0	0	32	Save
3	Line 3 current	0	0	32	Save

**Voltage Settings**

Item	Name	State(V)	Min(V)	Max(V)	Save
1	Line 1 voltage	214	0	256	Save
2	Line 2 voltage	214	0	275	Save
3	Line 3 voltage	213	0	275	Save

**Sensor Settings**

Item	Name	Status	Min	Max	Save
1	Temp (°C)	0	0	40	Save
2	Hum (%)	0	0	99	Save

## Network Metered Accessories

### Environmental Sensor



EFLXSENSOR

Rack-mounted environmental sensor monitors enclosure temperature and humidity.

### LCD Meter Display

- 1.4" color LCD screen
- Easy installation
- Displays and monitors real-time current / voltage / IP address / power consumption / temperature & humidity via web interface
- Supports SNMP MIB file integration
- Remote upgradeable



### LED Meter Display

- 8-segment LED display
- Easy Installation
- Displays and monitors real-time current / voltage / IP address / power consumption / temperature & humidity via web interface
- Remote upgradeable



Metering Modules	Network LCD Module	Network LED Module
1P, 230VAC, 10A/16A/32A	EFLXNLCD1	EFLXNLED1
3P, 380VAC, 16A/32A	EFLXNLCD3	EFLXNLED3

# FlexPDU Specifications

Item	Parameter	Specification
Input	Input Voltage / Frequency	110 / 230 VAC / 380 VAC : 50 / 60 Hz
	Max. Load Current	10A / 16A / 32A
	Power Cable Length	3 meters
	Input Plug	International: IEC60320 C14 (10A), C20 (16A), IEC60309 2P+E Plug (32A) National: AS/NZS 3112-10A (10A, 1P), AS/NZS 3112-15A (15A, 1P) Clipsal (15A, 3P), Clipsal (32A, 3P)
	Protection (Optional)	16A Eaton Air Circuit Breaker, Surge Protector
Output	Rated output voltage	110 / 220 VAC
	Max. Load Current	10A / 16A / 32A
	Socket Types	International: IEC320 C13, IEC320 C19C13 (locking, & unlocking) National: AS/NZS-10A, AS/NZS-15A
Display	Network Meter	Hot-swap LED or LCD display shows real-time current / voltage / IP address
Chassis	Material	Aluminum chassis, plastic front cover
	Color	Black
	Mounting	Flange-mounting brackets + Tool less mounting buttons
Environmental Ratings	Operating	Temp: 0 to 45 <sup>o</sup> C, Humidity: 0 to 95%
	Storage	Temp: -10 to 60 <sup>o</sup> C, Humidity: 0 to 95%
Monitoring	Metering	Total Load Current (A), Input Voltage (V), Power (kW), Energy Consumption (kWh), enclosure temperature / humidity via external sensor
	Metering Accuracy	1% (billing-grade)
	Set-up Configuration	Max. Load Current, email Alarm, HTTP, SNMP v1, IP, Gateway, DNS, Subnet Mask, MODBUS (optional)
	Alarm Options	Audible buzzer, email, SNMP v1
	Remote / Web access	Web based (IE, Fire Fox, Chrome, Safari), SNMP v1, Serial (optional) Remote access via TCP/IP and built-in 10/100M bit Ethernet port
	Network Protocol	TCP/IP, PPP, UDP, HTTP, TELNET, SMTP
	Password	Username and password configurable
Certifications		CE
Warranty		2 Years

