

# Eaton FlexPDU G2

Basic

Metered input

Switched

Managed



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*Powering Business Worldwide*



## Overview

The Eaton Flex PDU G2 provides a range of standardized rack power distribution units (PDUs), including basic, metered input, switched, and managed models, designed to enhance the safety, manageability, and energy efficiency of power distribution in data centers.

## Features

**Enhanced power distribution safety:** All outlets are equipped with anti-ejection mechanisms to prevent accidental server downtime caused by unintended disconnections

**Strengthened cybersecurity:** Communication modules comply with global cybersecurity standards UL 2900-1 and IEC 62443-4-1

**High-temperature resilience:** Capable of stable operation in ambient temperatures up to 50°C

**Easy installation & deployment:** Compact form factor design to maximize the available space at the rear of server racks

**Streamlined remote monitoring:** Compatible with third-party monitoring platforms and Eaton monitoring software

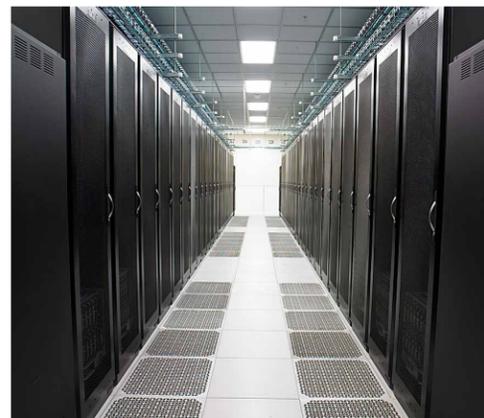
**Streamlined on-site operations & maintenance:** Hot-swappable network communication and actuator modules allow for replacement without interrupting operations

**Global certifications:** CE certified for international market compliance

**Customization flexibility:** Modular design enables more tailored configurations to meet diverse needs

## Typical Applications & Industries

- Small and medium data centers and server rooms
- Colocation and large-scale data centers
- Manufacturing
- Telecommunication
- Commercial buildings
- Medical care
- Traffic and transportation



## Functional Features of Different PDU Models

		Basic	Metered Input	Switched	Managed
Basic features	Compact form factor	✓	✓	✓	✓
	Hydraulic-magnetic circuit breakers (models ≥ 32A) provided	✓	✓	✓	✓
	Anti-ejection outlets	✓	✓	✓	✓
	Pure copper used for main circuit conductors	✓	✓	✓	✓
	Additional enclosure grounding points provided	✓	✓	✓	✓
Network capabilities	Hot-swappable network Management module		✓	✓	✓
	Supporting remote firmware upgrade		✓	✓	✓
	Full-featured network management through Web or SNMP		✓	✓	✓
	Supported protocols and standards: HTTPS, SSH v2, SNMP, SMTP, DHCP, RADIUS, NTP, TELNET, as well as IPv4 and IPv6		✓	✓	✓
	Ethernet port speed		10/100 Mbs	10/100 Mbs	10/100 Mbs
	External sensor capacity		8	8	8
	Meeting UL 2900-1 and IEC 62443-4-1 cybersecurity standards		✓	✓	✓
	Cascade connection function		✓	✓	✓
Monitoring function	Measurement accuracy		±1%	±1%	±1%
	Full PDU measurements (current, voltage, power, energy consumption, power factor, etc.)		✓	✓	✓
	Remote on/off outlet switching			✓	✓
	User-defined power-on/power-off sequence and delay intervals of each outlet			✓	✓
	Grouped outlet control			✓	✓
	Per-outlet measurements (current, power, energy consumption, power factor, etc.)				✓
Operating environment	Maximum operating temperature	50°C	50°C	50°C	50°C
	Operating altitude	0–3 000 m	0–3 000 m	0–3 000 m	0–3 000 m
Warranty	Warranty period	2 years	2 years	2 years	2 years



Conforms to UL 2900-1 and IEC 62443-4-1 cybersecurity



Pure copper conductor



Anti-ejection outlet



Hydraulic-magnetic circuit breaker



1%

measurement accuracy

8

external sensors at the maximum

2-years

warranty

CE

EN 62368-1:2014

# Modular Hot-swappable Core Components to Ensure Business Continuity and Safety

**LCD display**  
Real-time display of power loads, anomaly alerts, and communication address among other key information

**Modbus port**  
Supporting Modbus RTU communication protocol over RS-485 bus standard



**Network port**  
Built-in switch function Supporting HTTPS, TELNET, SSH, and SNMP protocols

**USB sensor port**  
Connecting 1 temperature/humidity sensor or up to 8 sensors via an extender

## Hot-swappable actuator module



Monitoring the power metrics of 8 outlets and control their on/off switching

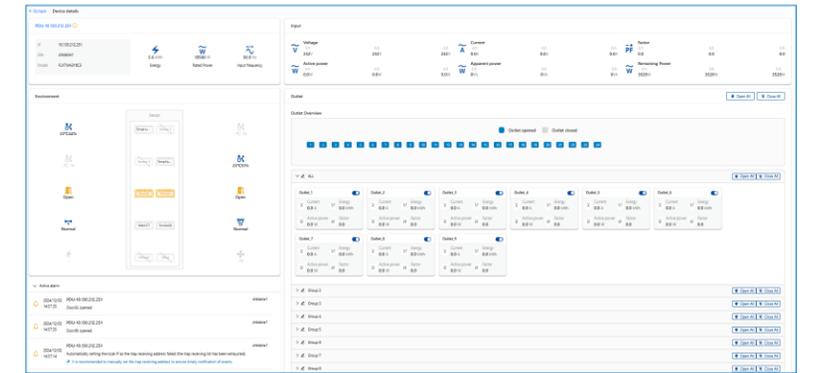


Compact design for high-density outlets applications

# Remote Access to Your Intelligent PDU

The FlexPDU G2 network management module provides the following online functions:

- Real-time tracking of power & environmental data of the PDU
- PDU load monitoring with billing-grade accuracy ( $\pm 1\%$ )
- Remote outlet switching & load balancing control
- Supporting SNMP v1/v2c/v3 communication protocols, compatible with third-party platforms and Eaton monitoring software
- Password protection
- User-defined alarms



# Customized PDUs by Our Expert Engineering Team to Meet Your Project-specific Requirements

Common customization requests for PDUs:

- Customized outlet configurations
- Customized input power cord lengths tailored to data center environments
- Color-coded PDUs for quick identification of multiple power sources
- Add-on modules for surge protection, leakage current protection, power status indication, etc.
- Custom silkscreen & labels



# Standard PDU Models

## Basic

Model	Mounting type	Phase	Input type / rated value (A)	Power	Circuit breaker configuration	Outlet configuration (quantity & type)	Cable length
FLXTBAC14C1	1U horizontal	1P	IEC C14 10A	2.3kW	/	(8)C13	2.5 M
FLXTBAC20C1	1U horizontal	1P	IEC C20 16A	3.7kW	/	(8)C13	2.5 M
FLXTBA116C2	0U vertical	1P	IEC60309 16A	3.7kW	/	(20)C13 + (4)C19	3.0 M
FLXTBA132C2	0U vertical	1P	IEC60309 32A	7.4kW	2 * 16A single-pole	(20)C13 + (4)C19	3.0 M
FLXTBA316C5	0U vertical	3P	IEC60309 16A	11.0kW	/	(36)C13 + (6)C19	3.0 M
FLXTBA332C5	0U vertical	3P	IEC60309 32A	22.0kW	6 * 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTBA163C5	0U vertical	1P	IEC60309 63A	14.5kW	4 * 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTBA363C5	0U vertical	3P	IEC60309 63A	43.5kW	12 * 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTBA316C3	0U vertical	3P	IEC60309 16A	11.0kW	/	(18)C13 + (6)C19	3.0 M
FLXTBA332C3	0U vertical	3P	IEC60309 32A	22.0kW	6 * 16A single-pole	(18)C13 + (6)C19	3.0 M
FLXTBA113C2	0U vertical	1P	32A junction box	7.4kW	2 * 16A single-pole	(20)C13 + (4)C19	/
FLXTBA133C3	0U vertical	3P	32A junction box	22.0kW	6 * 16A single-pole	(18)C13 + (6)C19	/
FLXTBAC20C2	0U vertical	1P	IEC C20 16A	3.7kW	/	(20)C13 + (4)C19	2.5 M
FLXTBA332C4	0U vertical	3P	IEC60309 32A	22.0kW	6 * 16A single-pole	(30)C13 + (6)C19	3.0 M

## Metered Input

Model	Mounting type	Phase	Input type / rated value (A)	Power	Circuit breaker configuration	Outlet configuration (quantity & type)	Cable length
FLXTMIC14C1	1U horizontal	1P	IEC C14 10A	2.3kW	/	(8)C13	2.5 M
FLXTMIC20C1	1U horizontal	1P	IEC C20 16A	3.7kW	/	(8)C13	2.5 M
FLXTMI116C2	0U vertical	1P	IEC60309 16A	3.7kW	/	(20)C13 + (4)C19	3.0 M
FLXTMI132C2	0U vertical	1P	IEC60309 32A	7.4kW	2 x 16A single-pole	(20)C13 + (4)C19	3.0 M
FLXTMI163C5	0U vertical	1P	IEC60309 63A	14.5kW	4 x 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTMI316C5	0U vertical	3P	IEC60309 16A	11.0kW	/	(36)C13 + (6)C19	3.0 M
FLXTMI332C5	0U vertical	3P	IEC60309 32A	22.0kW	6 x 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTMI363C5	0U vertical	3P	IEC60309 63A	43.5kW	12 x 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTMI316C3	0U vertical	3P	IEC60309 16A	11.0kW	/	(18)C13 + (6)C19	3.0 M
FLXTMI332C3	0U vertical	3P	IEC60309 32A	22.0kW	6 x 16A single-pole	(18)C13 + (6)C19	3.0 M
FLXTMIC20C2	0U vertical	1P	IEC C20 16A	3.7kW	/	(20)C13 + (4)C19	2.5M
FLXTMI332C4	0U vertical	3P	IEC60309 32A	22.0kW	6 x 16A single-pole	(30)C13 + (6)C19	3.0 M

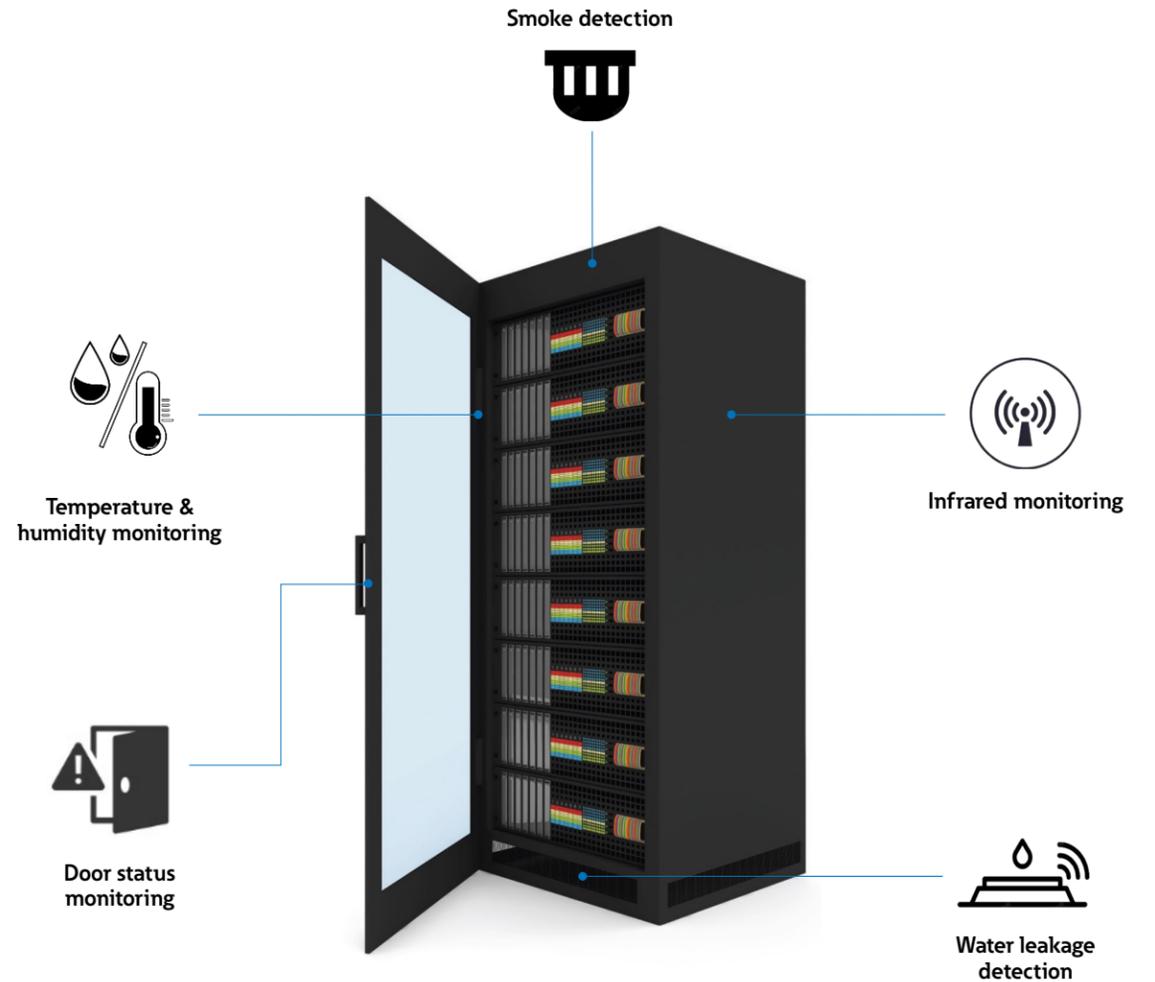
## Switched

Model	Mounting type	Phase	Input type / rated value (A)	Power	Circuit breaker configuration	Outlet configuration (quantity & type)	Cable length
FLXTSWC20C1	1U horizontal	1P	IEC C20 16A	3.7kW	/	(8)C13	2.5 M
FLXTSWC20C2	0U vertical	1P	IEC C20 16A	3.7kW	/	(20)C13 + (4)C19	2.5M
FLXTSW132C2	0U vertical	1P	IEC60309 32A	7.4kW	2 x 16A single-pole	(20)C13 + (4)C19	3.0 M
FLXTSW332C4	0U vertical	3P	IEC60309 32A	22.0kW	6 x 16A single-pole	(30)C13 + (6)C19	3.0 M

## Managed

Model	Mounting type	Phase	Input type / rated value (A)	Power	Circuit breaker configuration	Outlet configuration (quantity & type)	Cable length
FLXTMA116C2	0U vertical	1P	IEC60309 16A	3.7kW	/	(20)C13 + (4)C19	3.0 M
FLXTMAG16G2	0U vertical	1P	GB1002 16A	3.7kW	/	(20)GB10A + (4)GB16A	3.0 M
FLXTMA132C2	0U vertical	1P	IEC60309 32A	7.4kW	2 x 16A single-pole	(20)C13 + (4)C19	3.0 M
FLXTMA163C5	0U vertical	1P	IEC60309 63A	14.5kW	4 x 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTMA332C5	0U vertical	3P	IEC60309 32A	22.0kW	6 x 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTMA363C5	0U vertical	3P	IEC60309 63A	43.5kW	12 x 16A single-pole	(36)C13 + (6)C19	3.0 M
FLXTMA316C3	0U vertical	3P	IEC60309 16A	11.0kW	/	(18)C13 + (6)C19	3.0 M
FLXTMA332C3	0U vertical	3P	IEC60309 32A	22.0kW	6 x 16A single-pole	(18)C13 + (6)C19	3.0 M

# Environmental & Access Security Management



## PDU accessories

Model	Accessories	Description
FLXTADPT	Plug adapter cable	C19 to IEC 60309 16A/1P adapter cable, 0.5m in length
FLXTTH	Temperature & humidity sensor	Real-time temperature and humidity monitoring with alerts to prevent equipment downtime
FLXTSEB	Sensor expansion hub	Expanding sensor capacity via the PDU's sensor port
FLXTDORS	Door status sensor	Monitoring the door status in real time and promptly triggering alerts to enhance security
FLXTWATS	Water leak sensor	Detecting liquid leaks in real time to minimize the upkeep cost
FLXTSMOS	Smoke sensor	Continuously detecting smoke inside cabinets
FLXTINFS	Infrared sensor	Monitoring the opening status of cabinet doors, side panels, top panels, and other components using infrared sensors

For more information, visit [Eaton.sg/FlexPDUG2](https://Eaton.sg/FlexPDUG2)

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