



#### Outlet grip functionality on standard IEC cable

Eaton's patent-pending IEC outlet grip secures plugs in place with a lever-actuated grip that's integrated into each outlet. Once the levers click into the grip position, the plugs are secured from accidental disconnect due to bumps or vibrations without the need for special power cords.



O is unlocked, + is grip engaged

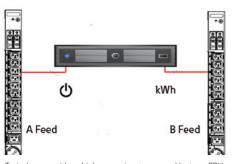
## Advanced LCD pixel display with hot-swap capability

Eaton's new hot-swap eNMC (ePDU Network Management and Control) module can be replaced without the need to power down your rack. Increase uptime while enhancing serviceability and saving on unnecessary service calls. The menu-driven pixel display allows for easy setup and troubleshooting.



#### Device reboot and measurement across A and B feed

When connecting multiple source input servers to an A and B feed power source, the daisy-chain capability allows you to group power supplies across the ePDU. As a result, all the power supplies are controlled with a single action, which saves time rebooting servers with two to six power supplies. The power consumption is available for each device.



Typical server with multiple power inputs powered by two ePDUs  $\,$ 

#### **Universal Mounting**

Models include both rear and side button mounting system and Eaton's patented variable mounting system.



#### Outlet switching

Remotely control devices by powering on or off individual outlets. Save time and operating costs by rebooting machines from your control center without costly site visits.

#### Sequential start up

Make sure your servers start sequentialy to avoid in rush current and start your database before the application.



Green LED signifies power on and red is power off to outlet

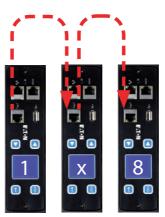
#### One percent billing grade accuracy



ePDU G3 provides one percent revenue-grade power monitoring for higher accuracy in department billing or colocation data centers. Effectively measure power usage to all outlets or individual outlets.

#### Daisy chain eight units from one IP address

Eaton's new patented daisy-chain capability allows up to eight ePDUs to share the same network connection and IP address. Unlike competitive rack PDUs that require a dedicated IP address for best performance, Eaton technology provides a 87% percent reduction in network infrastructure costs.



A and B power PDU sharing a network connection via daisy chain

### Features and benefits

**Low-profile form factor:** Provide zero interference into the rail space

High 60°C operating temperature: Fully functional in high operating temperature environments, resulting in reduced cooling costs

Integrated IEC outlet grips: Integrated lever-actuated grip that easily secures plugs to prevent accidental disconnect

Color-coded outlet sections: Color-coded outlet sections match corresponding color-coded circuit breakers to simplify load balancing

**Flexible mounting options**: Button mounting on rear & side + variable mounting system

One percent billing grade accuracy: Revenue-grade power monitoring for higher accuracy to help optimize power utilization

Remote site management: Save time from onsite visits

Hot-swap meter: Remove meter without power disruption to increase uptime while enhancing serviceability

Phase and section metering: Meter color-coded sections to control power utilization

Advanced LCD pixel display: Allow for easy IP setup and troubleshooting

Daisy chain (share network connection/IP address): Share the same network connection and IP address for up to eight rack PDUs, which will reduce network infrastructure costs

**Cybersecurity:** The firmware is updated on regulary basis to keep the ePDU cybersecurity to highest standard.

Measure power consumption at outlet level: Acquire precise data and gain detailed energy analysis to make informed decisions and assist with effectivelydeploying equipment

Measure Level 3 PUE: Measuring power at the outlet level allows users to measure Level 3 Power Usage Effectiveness (PUE), which provides the possibility of transforming billing into revenue or utility discounts

Outlet switching: Remotely control devices by powering on, off or rebooting individual outlets and set sequential start up across A&B feed

Group reboot for A and B feed: Group multiple power supplies across the rack PDU to control all with a single action, saving time when rebooting servers with two or more power supplies

Turn off unused outlets: Control unauthorized use



#### Color-coded outlet sections

Color-coded outlet sections match a corresponding circuit breaker to easily identify which one feeds corresponding outlets and prevent unbalanced loading that would unnecessarily trip a breaker.

# Make more effective management decisions with intelligent power, space and environmental condition monitoring.

IPM Infrastructure helps to bridge the gap between facility and IT management by providing you just enough information, when you need it and where you need it.



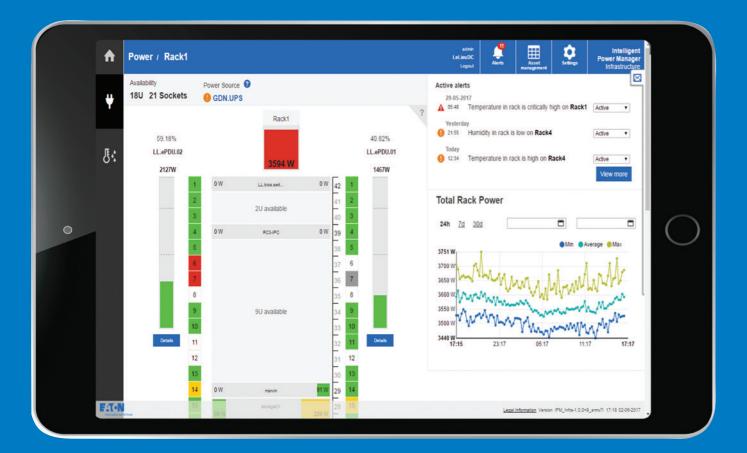
Environmental monitoring including temperature and humidity with more functionality to follow.

Simple IT asset management including business prioritization capabilities.

Power chain monitoring including power kW, energy consumption (kWh), phase and circuit balancing.

Trending analysis via an intuitive web interface with auditable logs and email alerts.

www.eaton.eu/ipminfrastructure

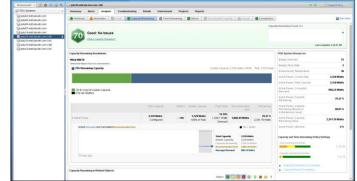


### Ensure business uptime and monitor ePDUs and It equipment with Intelligent Power Manager

Full integration into VMware and Citrix with Intelligent Power Manager

- Trigger VM migration or VMware Site Recovery Manager (SRM)
- · User configurable alerts on the ePDU G3 work with Eaton's Intelligent Power Manager (IPM) software to trigger actions
- Trigger automatic migration of virtual servers in the event of a power failure via UPS, ePDU alarm or threshold, temperature/ humidity or dry contact event
- Full integration in VMware interface





Detailed web-based interface on ePDU G3

ePDU integration into vRealize Operations Manager (coming in 2018)

Intelligent Power Manager offers supervision and control through a single interface

- · ePDU and UPS Management
- En masse Configuration of ePDU
- · En masse Update of ePDU



Eaton collaborates with the leaders in converged and hyper-converged infrastructures and provide lab-validated power management solutions to ensure high uptime of IT systems and data integrity in case of power and environmental issues.





























### ePDU G3 Key features & technical specification

#### **Range extension 2017**

Also available in 10 20 Built-in IEC outlet eGrip retention, retains all standard IEC plugs Colour-coded outlet and branch circuits for simple load balancing NA 60°C Operating temperature Flexible mounting options: Button mounting on rear & side + variable mounting system Hot-Swap Control module with Advanced LCD + Optional Temp/Humidity sensor V  $\sqrt{}$ ±1% IEC Class 1 Billing Grade Accuracy for V, W, A and kWh & Cisco EnergyWise compliant Phase Metering, Circuit Breaker Current Metering and Input Metering Daisy-Chain up to 8 ePDUs, reduce network infratsructure costs  $\sqrt{\phantom{a}}$  $\sqrt{\phantom{a}}$ En masse configuration and advanced action on virtual environement via Eaton Intelligent Power Manager IT Power chain monitoring & Real time Intelligence on your Data Center, via Eaton Intelligent Power Manager Infrastructure HTTPS, SSL, Telnet, FTP, SNMP, SMTP, DHCP, LDAP, RADIUS, DHCP 66/67 for Mass Configuration Circuit Breaker Status Monitoring  $\sqrt{\phantom{a}}$ Outlet and IT Equipment Metering across A and B feed  $\sqrt{\phantom{a}}$  $\sqrt{\phantom{a}}$ Level 3 PUE measurements  $\sqrt{\phantom{a}}$  $\sqrt{\phantom{a}}$ N-13A Turn off unused outlets to control commissioning  $\sqrt{\phantom{a}}$ Outlet and IT Equipment Switching/reboot/sequencing across A and B feed LxWxD,mm LxWxD, mm LxWxD,mm LxWxD, mm LxWxD, mm 8xC13 2 3kW 443x19"x53 FMIH02 1Ux19"x203 C14 10A 12xC13 2.3kW EBAB19 443x19"x53 16xC13 2.3kW EBAB03 704x52x53 EMIB03 1070x52x53 EMOB03 ESWB03 1154x52x53 8xFR: 1xC19 EFLX8F\* 3.7kW 1Ux19"x80 8xGE: 1xC19 3.7kW EFLX8D\* 1Ux19"x80 6xUK: 1xC19 3.7kW FFI X6B\* 52x19"x120 12xC13: 1xC19 1U EFLX12I\* 2 single pole 3.7kW 1Ux19"x80 C20 16A 16xC13 3 7kW EBAB21 704x52x53 8xC13 3.7kW EMIH28 1Ux19"x203 ESWH28 1Ux19"x203 1U EMAH28 1Ux19"x203 18xC13: 2xC19 3 7kW FMIB09 1070x52x53 20xC13: 4xC19 3.7kW EBAB22 1070x52x53 EMIB22 1070x52x53 ESWB22 1604x52x53 1604x52x53 7xC13 : 1xC19 3.7kW ESWB23 704x52x65 18xC13 · 2xC19 3 7kW FMIR10 1070x52x53 IEC60309 16A 20xC13 : 4xC19 3.7kW 1070x52x53 EMIB04 1070x52x53 ESWB04 1604x52x53 IFC60309 3.7kW 443x52x53 2 x IEC60309 16A 2xIEC60309 3.7kW 443x65x52 EMIB06 1070x52x53 12xC13: 4xC19 2U EMIH06 2Ux19"x127 2U EMAH06 2Ux19"x225 16xC13 7.4kW 2U EM0H84 ESWH84 2Ux19"x225 2 single pole 2Ux19"x225 **2U** IEC60309 32A 20xC13 : 2xC19 EBAB05 1070x52x53 EMIB05 1154x52x53 1604x52x53 2 single pole 28xC13: 4xC19 7.4kW EMAB71 2 single pole 1829x52x53 1829x52x53 EBAB08 EMIB08 1604x52x53 36xC13:6xC19 2 single pole 7.4kW IFC60309 7 4kW 443x52x53 2 x IEC60309 32A 2xIFC60309 7.4kW 443x65x52 21xC13 : 3xC19 EBAB20 EMIB20 IEC60309 16A 36xC13:6xC19 EMIB11 FBAB11 704x52x53 1070x52x53 6 single pole 22kW IU EBAH11 1Ux19"x203 3xC13 · 6xC19 6 single pole 22kW FBAB01 704x52x53 1604x52x53 6xC13: 12xC19 6 single pole 22kW EMIB07 IEC60309 32A 1829x52x65 18xC13 : 6xC19 12xC13 : 12xC19 EMIB12 EMAB12 22kW 1604x52x53 1829x52x65 6 single pole 24xC13:6xC19 6 single pole 22kW EBAB32 1154x52x53 EMIB34 1829x52x65 30xC13:12xC19 6 single pole 22kW 2 x IEC60309 33A

#### ePDU G3 Accessories

Accessories	Part Number	Benefits
Sensor	EMP001	Get live measurement on temperature, humidity, set threshold and be notified in real time
Adaptor Fast Ethernet Gigabit	GBCONV	Quick and easy way to upgrade your 10/100 Mb network interface G3 ePDU to Gigabit speed
ePDU to UPS cables	CBLOUT32 CBL2OUT32	Connect an ePDU 32A input to the hardwire output UPS
Water leak detector*	WLD012	Detect floods and water leaks
Door contact sensor*	DCS001	Monitor your rack access
Intelligent Power Manager	IPM Basic, Silver, Gold	Monitor and managed multiple ePDUs Trigger actions from ePDUs & sensor events

<sup>\*</sup>Door contact sensor and water leak detector can be connected through EMP001 dry contacts



New







CBLOUT32

WLD012\*

CBL2OUT32

All ePDU G3 come with a 2 years warranty as standard. Warranty extension up to 3 years (Warranty+) and 5 years (Warranty 5)





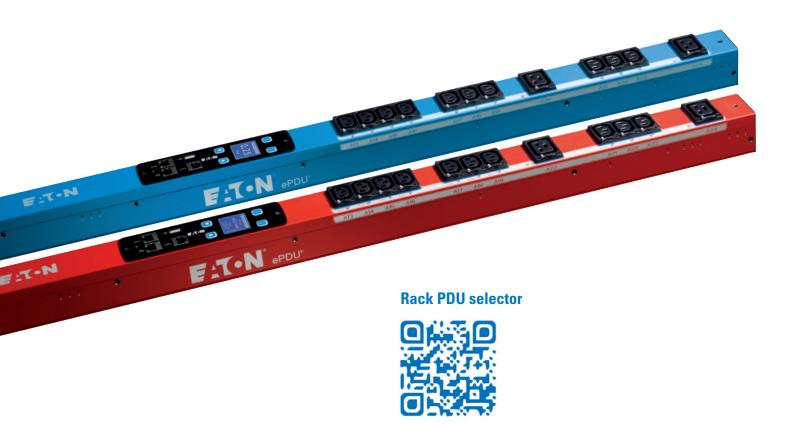
Eaton ePDU Basic G3 has a compliant

<sup>\*</sup> Basic G3 features not applicable for the FlexPDU range All standard ePDUs come with 3m cable

Need Something Special? We make your custom ePDUs, please contact your local reseller.

# **Need Something Special?**

- Dedicated engineering teams in 3 centres of excellence are available to create your perfect ePDU
- Specific configurations or complete engineering projects
- Including national socket types, UK, French, Din/Schuko including combinations of up to 3 types of outlet on an ePDU
- · Colored ePDUs now available for the entire range, to easily identify your power source



#### www.eaton.eu/ePDUG3

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