

Eaton Power Distribution Unit Technical Specification
Design Technical Specification in accordance with IEC/EN 62368-1:2014(Second Edition)

**MODEL: ePDU EMAH0001 (Part Number: 802003001) Input Metered,
Outlet Switched PDU Design Technical Specification Sheet.**

General CHARACTERISTICS:

Function	MONITORED SWITCHED
Drawing	Refer Drawing File
Style Number	EMAH0001
Part Number	802003001
U Height	42 [Minimum U rack]
MIB	Available for download

Physical CHARACTERISTICS:

Dimensions (H x W x D, mm)	44x270x444
Mounting Style	Bracket Mounting on Sides
Input Cord Length	10'
Depth of Circuit Breaker, in	2.087
Form factor	1U

Power Distribution Unit (PDU) Functionality:

Metering Attributes	Voltage(V), Current(A), Apparent Power(kVA), Real Power(kW), Power Factor, Energy (kWh)
Metering Accuracy	± 1% as per ISO/IEC 62052-21
Metering Locations	Input phase and circuit breaker measurements
Remote Outlet Switching	Yes Individual Outlet

Environmental CHARACTERISTICS:

Operating Temperature	-5 to 60°C (23 to 140°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Humidity (operating/storage)	5-90% RH / 5-95% RH; non-condensing
Max operating elevation, above MSL	3,000 m (9,840 ft)

The technical specification is subject to change without notice.

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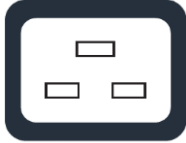
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Input CHARACTERISTICS:

Max Input Power	3.7 kVA @ 240 Vac
Input Plug	(1) IEC 60320/C20 16A P+N+E 
Cable Length (m)	3
Voltage Range	200-240V, 1-Phase
Current	16A P+N+E
Phase	Single-phase
Frequency	50/60 Hz

Output CHARACTERISTICS:

Output voltage	230 V
Maximum output current (phase)	16 A
Overload protection (internal)	Yes, Built IN
Grip cable retention	Yes
Type and Number of Outlets	(8) IEC-320-C13  (0) IEC-320-C19 
Outlet Control	Yes

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Network Connecting CHARACTERISTICS:

Network Connectivity	1x Gigabit Ethernet (10/100/1000 Mbps) connection/IP address
Ethernet Cascading	Up to 04 units share a single “daisy-chain” Ethernet connection/IP address
Dual Network Access	Dual network connectivity allows redundancy and/or multiple stakeholder connectivity
Remote Connectivity	HTTP/ HTTP(s), IPv4 and IPv6, SSH/SSHv2,SSLv3/TLSv1, TELNET, SNMP (v1, v2c, v3), LDAP
WebUI Interface	Data Efficiency REACT framework with native mobile support

Environmental and Approval Standards:

Markings	CE Marking & DEMKO Markings
Approvals	IEC/EN 62368-1:2014(Second Edition) Audio/video, information and communication technology equipment - Part 1: Safety requirements
Electromagnetic compatibility	EN 55032: 2015 + AC: 2016 Electromagnetic compatibility of multimedia equipment -Emission Requirements EN 55035: 2017 Electromagnetic compatibility of multimedia equipment -Immunity requirements
Environmental	RoHS Directive – 2011/65/EU Directive on Restriction of the use of certain hazardous substances in electrical and electronic equipment
Manufacturing Plant	ISO 9001:2015 / ISO 14001:2015

SAMPLE Labelling Example with CE & DEMKO Markings:

 <p>Basic www.eaton.com/ePDU Made In India</p>	Part number: EBAH0001 Configuration: TP01116-0003  Serial number: XXXXXXXXXX 	Input 100-240V 2W+PE 16 A 50/60 HZ	Output 200-240V 10A PER C13 16A MAX PER SECTION 16A MAX TOTAL	Rev:XX
	  			

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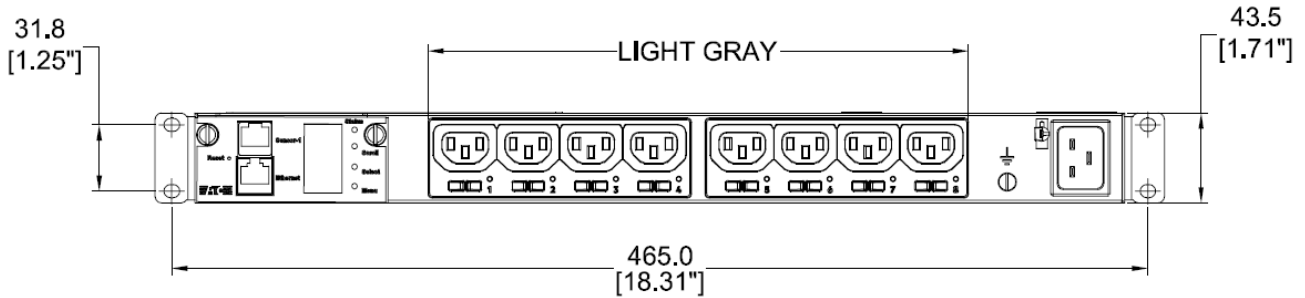
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MANAGEMENT MODULE & DISPLAY CHARACTERISTICS:

Microprocessor/Memory	Cortex A-4
Field Replacement	Hot swap replaceable module; fast plug-and-play connectivity
Module Orientation	Tool-less removal and 180° install capable for top or bottom power cord orientation with Automatic Display flip feature with gravity sensors
User Display & Functions	large high visibility LED display for key metering information and alarms. Low-power graphical oLED with user controls for local information.
Display Language	English, Spanish, German, French, Italian, Korean, Japanese, Chinese (simplified)
Security & Sensors	Supports up to 8 digital sensors for environmental sensors and/or electronic locks
Environmental Interface	Yes with Temperature & Humidity Sensors
Serial Interface	RS485
Ethernet Interface	1Gb



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