

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

**MODEL: ePDU EMIH0003 (Part Number: 802002004) Input Metered,  
Monitored PDU Design Technical Specification Sheet.**

**General CHARACTERISTICS:**

Function	MONITORED & Metered INPUT
Drawing	Refer Drawing File
Style Number	EMIH0003
Part Number	802002004
U Height	42 [Minimum U rack]
MIB	Available for download

**Physical CHARACTERISTICS:**

Dimensions (H x W x D, mm)	87x270x444
Mounting Style	Button mounting on rear and sides, variable mounting bracket
Input Cord Length	10'
Depth of Circuit Breaker, in	2.087
Form factor	2U

**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	No

**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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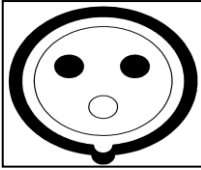
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## Input CHARACTERISTICS:

<b>Max Input Power</b>	<b>7.4 kW @ 230 Vac</b>
<b>Input Plug</b>	(1) IEC 60309 32A 1P+N+E 
<b>Cable Length (m)</b>	<b>3</b>
<b>Voltage Range</b>	<b>200-240V, 1-Phase</b>
<b>Current</b>	<b>32A 1P+N+E</b>
<b>Phase</b>	<b>Single-phase</b>
<b>Frequency</b>	<b>50/60 Hz</b>

## Output CHARACTERISTICS:

<b>Output voltage</b>	<b>230 V</b>
<b>Maximum output current (phase)</b>	<b>32 A</b>
<b>Overload protection (internal)</b>	<b>Yes, Built IN</b>
<b>Grip cable retention</b>	<b>Yes</b>
<b>Type and Number of Outlets</b>	(12) IEC-320-C13   (4) IEC-320-C19 
<b>Outlet Control</b>	<b>No</b>

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## Network Connecting CHARACTERISTICS:

<b>Network Connectivity</b>	1x Gigabit Ethernet (10/100/1000 Mbps) connection/IP address
<b>Ethernet Cascading</b>	Up to 04 units share a single “daisy-chain” Ethernet connection/IP address
<b>Dual Network Access</b>	Dual network connectivity allows redundancy and/or multiple stakeholder connectivity
<b>Remote Connectivity</b>	HTTP/ HTTP(s), IPV4 and IPV6, SSH/SSHv2,SSLv3/TLSv1, TEKNET, SNMP (v1, v2c, v3), LDAP
<b>WebUI Interface</b>	Data Efficiency REACT framework with native mobile support

## Environmental and Approval Standards:

<b>Markings</b>	CE Marking & DEMKO Markings
<b>Regulatory Standards &amp; Approvals</b>	EN61000-3-2:2014, EN61000-3-3:2013, EN61000-6-2:2005, EN61000-6-4:2007/+A1:2011
<b>Safety Standard &amp; Approvals</b>	IEC/EN 62368-1:2014(Second Edition) Audio/video, information and communication technology equipment - Part 1: Safety requirements
<b>Electromagnetic compatibility Standards &amp; Approvals</b>	EN 55032: 2015 + AC: 2016 Electromagnetic compatibility of multimedia equipment -Emission Requirements EN 55035: 2017 Electromagnetic compatibility of multimedia equipment -Immunity requirements
<b>Environmental</b>	RoHS Directive – 2011/65/EU Directive on Restriction of the use of certain hazardous substances in electrical and electronic equipment
<b>Manufacturing Plant</b>	ISO 9001:2015 / ISO 14001:2015

## SAMPLE Labelling Example with CE & DEMKO Markings:

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

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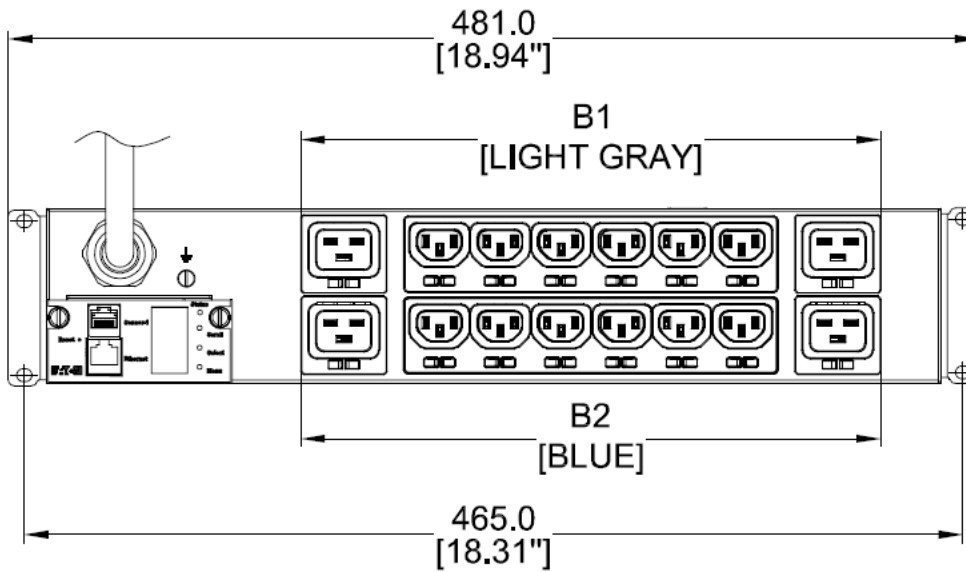
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## MANAGEMENT MODULE & DISPLAY CHARACTERISTICS:

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



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