Input Metered PDU
ECX-MV1224040-A

The ECX-MV1224040-A input-metered PDU distributes power to devices in the rack and offers real-time phase and circuit breaker metering and network monitoring of power loads for overload avoidance, capacity & load balancing, and energy use optimization. A hot-swappable network management controller allows for future upgrades and enhanced MTTR. The controller can also manage up to eight environmental sensors, or two security access handles which are managed through the PDU. The ECX-MV1224040-A can be managed by webUI, telnet or SSH, SNMP, or RESTful API.

PRODUCT FEATURES

• Real-time phase and circuit breaker metering and monitoring of power loads
• Remote PDU access management
• Environmental monitoring to detect temperature, humidity and water leaks (up-to eight sensors)
• Consolidation of IP address management by daisy-chain of up to four PDUs
• Conforms to the following standards: Redfish API, RESTful API, IPV6-SSL/IPsec, SNMP V3
• Integrates with DCIM and BMS

APPLICATIONS

• Environments that require energy metering
• Colocation facilities
• MDF, IDF, Data Center, Computer Room, Data Room Environment

SPECIFICATIONS

<table>
<thead>
<tr>
<th>PDU FUNCTION</th>
<th>SPECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Metering</td>
<td>Voltage (V), Current (A), Active Power (kW), Apparent Power (kVA), Energy (kWh), Power Factor</td>
</tr>
<tr>
<td>Metering Accuracy</td>
<td>Billing grade, 1% ISO/IEC 62053-21</td>
</tr>
<tr>
<td>Outlet Level Metering</td>
<td>N/A</td>
</tr>
<tr>
<td>Outlet Switching</td>
<td>N/A</td>
</tr>
<tr>
<td>Network Management</td>
<td>Gigabit, 10/100/1000 BaseT</td>
</tr>
<tr>
<td>Locking IEC Outlets</td>
<td>W-lock cable support</td>
</tr>
<tr>
<td>Color Coded Outlets and Circuit Breakers</td>
<td>Yes</td>
</tr>
<tr>
<td>Field Replaceable Intelligence Module</td>
<td>Yes, hot-swappable</td>
</tr>
<tr>
<td><strong>ELECTRICAL</strong></td>
<td><strong>SPECS</strong></td>
</tr>
<tr>
<td>----------------</td>
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</tr>
<tr>
<td>Acceptable Input Voltage</td>
<td>200-240 VAC, +6%, -10%</td>
</tr>
<tr>
<td>Input Current (Phase)</td>
<td>NAM: 20A (16A derated), EMEA: 16A</td>
</tr>
<tr>
<td>Input Frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Input Power</td>
<td>NAM: 3.3 kVA, EMEA: 3.7 kVA</td>
</tr>
<tr>
<td>Input Plug</td>
<td>IEC60320 C20</td>
</tr>
<tr>
<td>Rated Output Current (Phase)</td>
<td>16A</td>
</tr>
<tr>
<td>Rated Output Current (Outlet)</td>
<td>C13: 10A, C19: 16A</td>
</tr>
<tr>
<td>Overload Protection (Internal)</td>
<td>(2) 20A, 2-pole, 5kAIC, hy-mag circuit breakers</td>
</tr>
<tr>
<td>Outlet Configuration</td>
<td>(24)C13, (4)C19; Per Breaker: (12)C13, (2)C19</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th><strong>PHYSICAL</strong></th>
<th><strong>SPECS</strong></th>
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</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>51.5&quot; x 2.17&quot; x 2.09&quot; (1309 x 55 x 53 mm)</td>
</tr>
<tr>
<td>Depth at Circuit Breaker, in (mm)</td>
<td>N/A</td>
</tr>
<tr>
<td>Input Cord Length, ft (m)</td>
<td>Sold separately</td>
</tr>
</tbody>
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<thead>
<tr>
<th><strong>ENVIRONMENTAL</strong></th>
<th><strong>OPERATING</strong></th>
<th><strong>STORAGE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Elevation, Above MSL</td>
<td>0-10,000 ft / 0-3,000 m</td>
<td>0-50,000 ft / 0-15,000 m</td>
</tr>
<tr>
<td>Temperature</td>
<td>23 to 140°F / -5 to 60°C</td>
<td>-13 to 149°F / -25 to 65°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>5-95% RH non-condensing</td>
<td>5-95% RH non-condensing</td>
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<thead>
<tr>
<th><strong>COMPLIANCE/STANDARDS</strong></th>
<th><strong>SPECS</strong></th>
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<tbody>
<tr>
<td>EMC Compliance</td>
<td>FCC, ICES</td>
</tr>
<tr>
<td>Safety Compliance</td>
<td>UL, cUL, IEC/UL 60950-1, UL/IEC 62368-1, CE-LVD</td>
</tr>
<tr>
<td>Environmental</td>
<td>RoHS</td>
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<thead>
<tr>
<th><strong>WARRANTY</strong></th>
<th><strong>SPECS</strong></th>
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<tbody>
<tr>
<td>PDU Warranty</td>
<td>5 years</td>
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