Power Xpert 9395C UPS

1000kW/1000kVA
1000kW/1100kVA
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In 2007, Eaton launched the Power Xpert™ 9395 UPS, setting the standard in transformer-free power protection technology. The Power Xpert 9395C is the latest addition to the proven and reliable platform. 9395C is an optimized 1MW version of the 9395 high performance design that allows for an improved footprint—saving customers valuable data center floor space.

Compact design

• The small footprint and compact design of the 9395C UPS saves on valuable data center floor space
• Optional integration with switchgear further improves the footprint and simplifies site wiring reducing installation cost and eliminating wiring errors

Lowest TCO

• Reduces power and cooling OPEX through industry-leading energy efficiency
  – 99 percent efficiency with Energy Saver System (ESS)
  – Up to 97 percent efficiency in double-conversion mode
• Variable speed fans lower ambient noise and extend the life of the fans
• Eliminates the cost of load bank rentals and minimizes burn-in testing energy costs with the Easy Capacity Test

High reliability and robust manageability

• Captures real-time data on efficiency, consumption and load changes with the color touchscreen
• Includes 1-year subscription to Eaton’s PredictPulse™ 24x7 monitoring and management service to proactively identify component risks, reduce downtime and expedited critical alarm response; learn more at Eaton.com/PredictPulse
• Handles up to 0.8 leading load power factors without de-rating UPS capacity
• HotSync patented load-sharing technology enables parallel operating of static converters without communication for sync or loadshare signals
• Global network of over 2,000 support and service personnel

ESS: How is it different than Eco mode?

• Instantaneous action: Less than two milliseconds transition time makes the UPS reaction time invisible to IT loads
• Inherent surge suppression: ESS provides transient suppression within the UPS—loads are protected from lightning events, even in ESS
• Fault discrimination: In a short circuit condition, the UPS detects the location of a fault (upstream or downstream), and reacts appropriately and instantly to protect the critical load

In 480V UPS efficiencies

- Eaton UPS with ESS
- Eaton UPS double conversion
- Typical operation
- Legacy UPS

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Technical specifications:

<table>
<thead>
<tr>
<th>UPS rating (unity power factor 1.0)</th>
<th>kW/KVA</th>
<th>1000/1000</th>
<th>1000/1100</th>
<th>1100/1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>General characteristics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficiency</td>
<td>99% in Energy Saver System (ESS) (up to 97% efficiency (480V) in double-conversion)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parallel capability</td>
<td>4 UPS units maximum for distributed bypass and 8 UPS units maximum with SBM</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Audible noise</td>
<td>78dBA @ 1 meter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Altitude (max)</td>
<td>1000m at 40 degree C (104 degree F) for 1000/1000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1000m at 40 degree C (104 degree F) for 1000/1100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1000m at 35 degree C (95 degree F) for 1100/1100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input characteristics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>480V 3W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage range</td>
<td>+10% / -15%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency range</td>
<td>45–65 Hz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power factor</td>
<td>0.99 [minimum]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input current distortion</td>
<td>≤3% [no input filter required]</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Soft start capability</td>
<td>Yes</td>
<td></td>
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<tr>
<td>Output characteristics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>480V 3W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulation</td>
<td>≤1%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inverter</td>
<td>PWM with IGBT switching</td>
<td></td>
<td></td>
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<tr>
<td>Voltage THD</td>
<td>&lt;1% [100% linear load]; ≤5% [non-linear load]</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Load power factor range</td>
<td>Up to a .8 power factor leading without derating</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Overload</td>
<td>110% for 10 minutes, 125% for 2 minutes, 150% for 15 seconds</td>
<td></td>
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<tr>
<td>Battery</td>
<td></td>
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</tr>
<tr>
<td>Battery types</td>
<td>VRLA, AGM, wet cell, lithium-ion</td>
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<td></td>
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<tr>
<td>Battery voltage</td>
<td>480V</td>
<td></td>
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<tr>
<td>Charging method</td>
<td>ABM technology or float, selectable</td>
<td></td>
<td></td>
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<tr>
<td>Dimensions and weights (480V system)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>1000 kW/1000 kVA</td>
<td>147”w x 34.3”d x 77.3”h</td>
<td>5295 lb (2402Kg)</td>
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1. Due to continuing improvements, specifications are subject to change without notice.

General characteristics:

- Control panel: Color Touchscreen interface
- Battery startup: Standard
- Frequency conversion: Standard
- Multi-language: Standard
- Building alarm inputs: 5 (galvanic isolated)

Options:
- External maintenance bypass
- PDU, RPP and STS
- Maintenance bypass module, 2/3/4 breaker
- DC disconnects
- Human Machine Interface (HMI) designs for monitoring of connected equipment

PredictPulse™ remote monitoring and management service:

PredictPulse is the industry’s first cloud-based 24x7 remote monitoring and predictive analytics subscription service to forecast data center power component failure and proactively replace components before failure. PredictPulse is included with the 9395C UPS for the first year at no-charge along with a PXGX-UPS card and Environmental Monitoring Probe (customer self-installs via outbound email server or optional 4G/LTE wireless modem).

Communications:

- Software compatibility: Software and Power Xpert Reporting
- Communications cards: Four communication bays standard. The following connectivity options can be installed at any time:
  - PXGX-UPS card (included with PredictPulse activation)
  - ModBus RTU card
  - AS/400 Relay card
  - Industrial Relay card
  - Powerware HotSync CAN Bridge card
  - Environmental Monitoring Probe (included)

Remote inputs/outputs: Five building alarm inputs and one summary alarm contact (5A @ 120V) standard
Remote monitor panel: Eight backlit status indicator lamps plus an audible horn

For more information on the 9395C, visit Eaton.com/9395C