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About us

The total cost of an unplanned data center outage now estimated at $500K-$1M, minimize your risk of significant loss by choosing the best UPS to protect your business.

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**9900D HYPER-SCALE UPS**

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How an IGBT power device is controlled is key to achieving optimum performance characteristics of a UPS. Utilizing a combination of high sampling rates and Direct Digital Control (DDC), the 9900D is able to provide superior performance under all load conditions.

Benefits to the customer include excellent output voltage control, dynamic inverter response, and minimal voltage distortion during full load steps without the DC source. These characteristics maximize the performance of the UPS and increase the overall reliability of components and the system.

Expandability is a key feature of the 9900D Series UPS. Its modular design enables supplemental modules to be added over time as warranted by increasing capacity needs, making hyper-scale expansion faster, easier and more economical.

The 9900D Series UPS creates more white space. It can handle the same load in as little as two-thirds of the footprint, leaving the remaining third to be allocated to revenue generating equipment. The 2000 kVA 9900D also has up to a 40% higher power density than other UPSs, maximizing power output while minimizing gray space.

All the Power
Two-thirds the footprint.

The 9900D Series is optimized around typical loads of 25% to 75% while delivering high efficiencies across all hyper-scale load levels.

Higher efficiencies reduce energy costs and significantly impact a data center’s bottom line. Mitsubishi Electric’s proprietary double-conversion technology delivers this efficiency without compromising load and power protection like competitors’ big boxes running in “ECO” mode.

9900D SERIES EXPANDABILITY
Expandable from 1.2 to 1.5/1.6 or 2.0

9900D UPS AC/AC EFFICIENCY CURVES

<table>
<thead>
<tr>
<th>Load %</th>
<th>9900D 1200kVA</th>
<th>Comp E 1200kVA</th>
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**Footprint Comparison**

Expandable from 1.2 to 1.5/1.6 or 2.0

**9900D Series Expandability**

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**Output Voltage**

During 100% Step Load

**Benefits**

- Excellent output voltage control
- Dynamic inverter response
- Minimal voltage distortion during full load steps

**9900D UPS AC/AC Efficiency Curves**

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### Expandability

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Expandable from 1.2 to 1.5/1.6 or 2.0

0.8 MVA
0.4 MVA
BYPASS MODULES
UPS MODULES
1.2 MVA

FOOTPRINT COMPARISON

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Compare Mitsubishi’s 1200kVA with competitors E 1200kVA and S 1250kVA.

Output Voltage During 100% Step Load
Output Voltage During Inverter to Bypass Transfer

CONTROLLER

Control

Output Voltage
During 100% Step Load
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Mitsubishi

Competitor

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