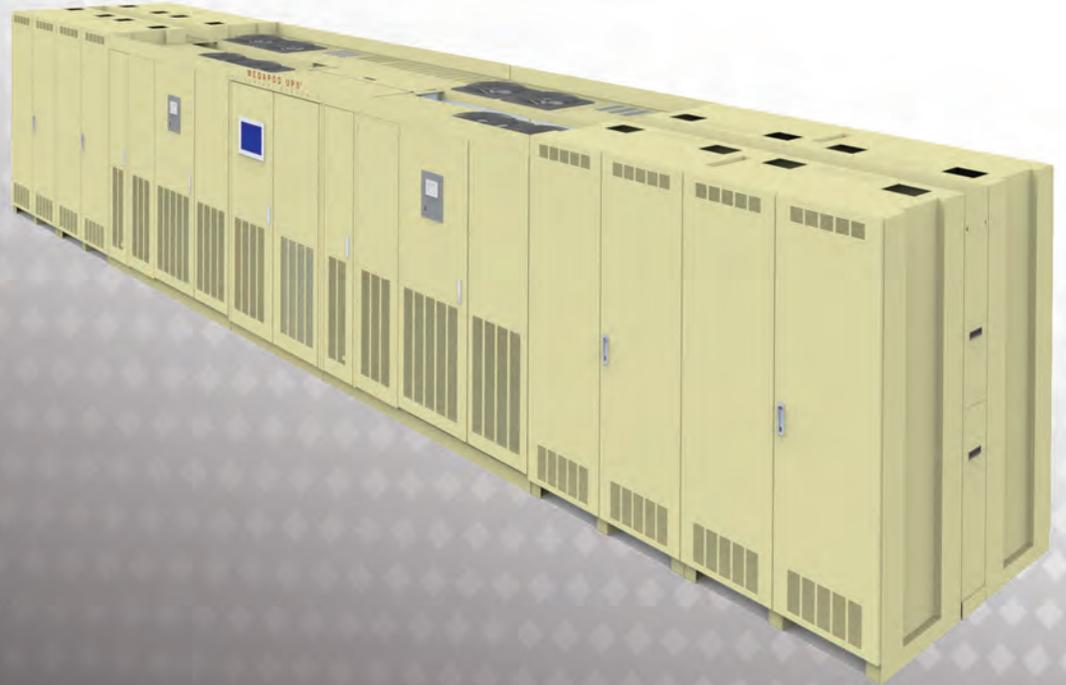




0.1123	1.00%	1.00%	0.1000
0.110	1.00%	0.10%	11.000
1.121	0.12%	1.00%	N/A
1.202	0.0233	1.53%	10.201
1.105	1.011	0.87%	13.205
601	0.1002	0.87%	N/A
652	0.105	0.11%	20.160
01	1.230	0.11%	N/A
13	1.1577	1.12%	N/A
1	0.873	3.23%	1.662
?	0.1150	2.14%	10.20
	0.1123	2.18%	0.87
	0.118	1.16%	1.1
	1.121	1.66%	



UNINTERRUPTIBLE POWER SUPPLIES



Megapod[®] UPS

Super-Efficient 1-3 MVA Capacity with
the Lowest Total Cost of Ownership

See How Megapod Helps Get Data Centers
Up and Running in Record Time: Page 4

No organization in the UPS industry offers the in-depth experience and unparalleled quality of Mitsubishi Electric. Compact and lightweight, the 9900B Series has been a UPS game-changer, especially when small footprint and modular flexibility make a difference. But the conventional on-site installation process has remained time-consuming and labor-intensive.

Now your Mitsubishi team has taken the next logical step: **integrating UPS, batteries, and critical load cabinets in one economical layout that minimizes total system footprint and eliminates costly conduit and cable runs.**

We call it Megapod®.

■ The Heart of Megapod®

The 9900B UPS is the industry's most efficient true online double-conversion UPS. Its fully digital three-level converter and inverter both feature advanced IGBT (CSTBT) modules for superior reliability and performance at all load levels.

Exceptional Efficiency

With a remarkably flat efficiency curve, the 9900B delivers:

- 96.3% efficiency at 100% load
- 96.5% at 50 to 75%
- 95.7% at 25%
- 93% at 10%

High efficiency means lower cost of ownership and improved PUE (Power Usage Effectiveness) over conventional UPS systems.

Outstanding Reliability

The Mitsubishi name is universally recognized for superior quality and innovation, as well as matchless reliability in the field. Ask your Mitsubishi representative about our standard three-year warranty agreement — or our optional, low-cost, no-worry five-year warranty.

Adaptability and Scalability

Thanks to our modular 9900B systems architecture, you can add or subtract UPS units as your multi-module configuration loads change. This engineered-in flexibility makes the Megapod system design an economical alternative in an unpredictable world.

Open Architecture

Because the 9900B can accommodate a wide variety of communications technologies, it's inherently easy to use and simple to maintain.

Superior Performance

By controlling the proprietary IGBT in your UPS's inverter and converter sections, we can achieve unparalleled step load performance. Our advanced control algorithm promotes high-speed fault detection and control.

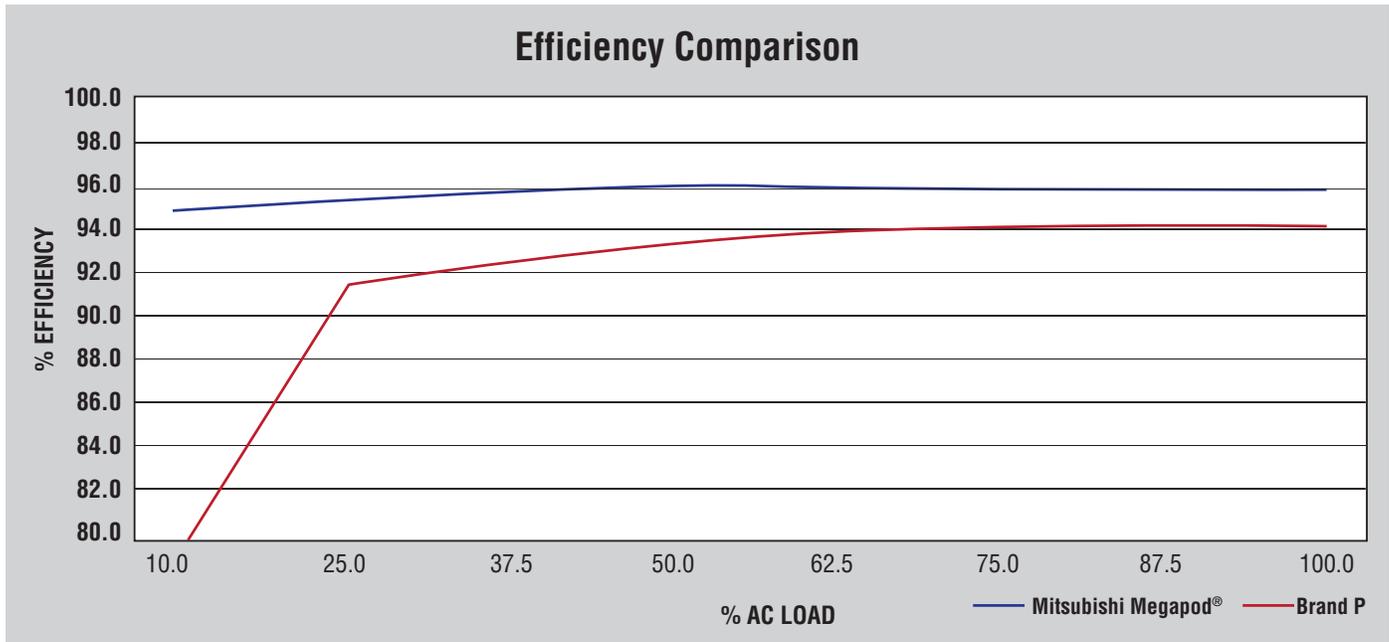
■ The Megapod® Concept

Integrated Design, Logical Engineering

In developing the Megapod® approach, we re-evaluated conventional UPS systems from the ground up. We focused on two opportunities:

- First, a compact, back-to-back layout that would eliminate conduit and minimize cable runs, cut installation time, and reduce costs
- Second, the use of innovative but proven components — such as front-terminal batteries — that would better complement the customer's requirements, the 9900B, and the new layout.





Groundbreaking Layout

Conventional installations feature stand-alone UPS modules and support equipment, often operating in separate rooms. After the components arrive on site, a contractor has to cable and lug them together through overhead conduit. The process typically takes two weeks to complete.

By eliminating space inefficiencies between components, Megapod® also eliminates most of the conduit, cables,

and labor. Instead, cables are pre-cut and lugged before shipment, and our field technicians finish the job on site. The positive impact on cost and time is dramatic.

Batteries That Save Cost and Space

Megapod's high-capacity front-terminal batteries do the same work as conventional batteries in about one third less space. That means the system requires fewer batteries and fewer battery cabinets, and occupies

a smaller footprint. And, as the battery count drops, so does the cost of battery monitoring.

Megapod® Summary

- Low total cost of ownership
- Minimal footprint
- Scalability to 3MVA
- Turnkey installation
- Quick lead time
- Three-year warranty



CASE STUDY For a Data Center With a Deadline, an Integrated Megapod UPS System Goes From P.O. to Customer Ready in Less Than 90 Days

The Customer

CoreSite Realty Corp. operates 14 data centers covering more than 2 million square feet in nine Tier One markets. With more than 750 customers and 15,000 cross-connects, CoreSite is committed to 99.9999% uptime.

The Facts

Challenge

CoreSite's UPS system goals were ambitious:

- Complete installation and testing 90 days from time of order.
- Maintain 99.9999% uptime.
- Provide easy adaptability between N+1 and 2N.
- Reach PUE of 1.35 under all load conditions.
- Reduce total cost of operation.

Solution

Mitsubishi custom-engineered a self-contained "pod" layout with UPS, battery, and critical-load cabinets installed back to back. As a result:

- CoreSite's data center was customer-ready within 90 days of time of order.
- Onsite installation time dropped from a typical two weeks to two days.
- CoreSite's customers gained easy N+1-to-2N adaptability.
- The new system achieved 1.35 PUE.
- Five-year TCO fell by \$273,000 per 1.5 MW of critical load.
- CoreSite installed its first Megapod in 2011. Since then the company has ordered 30 more systems (and counting!) for data centers across the U.S.A.

"I have a limited amount of real estate, and I have to get as much salable space for our customers out of it as I can — while still making it the most efficient, reliable system possible."

"So, for me, it's not just about the initial cost of the UPS. I need to understand what it's going to cost, end-to-end. If I can cut 40% off my install costs, that's a differentiator. And then, if I can cut down on my startup and commissioning time, and I can deliver sooner and get this data center ready to sell — that's attractive. And that's where Megapod® made the difference."

— Billie Haggard

Senior VP of Data Centers
CoreSite



Since 1986, Mitsubishi Electric Power Products, Inc. has manufactured precision-engineered Uninterruptible Power Supplies (UPS) to protect our customers' investments in their mission-critical equipment. Mitsubishi Electric's UPS systems are unsurpassed in reliability, quality, and efficiency. We are dedicated to developing the best UPS systems on the market, and to providing unrivaled service for the lifetime of your UPS.

for a greener tomorrow



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