



CRITICAL POWER SOLUTIONS

9900D UPS

HIGH DENSITY MODULAR POWER

The 9900D UPS is designed specifically for the relentless demand of cloud and colocation services facing today's hyperscale data centers.



Available in 1200, 1250, 1500, 1600, & 2000 kVA

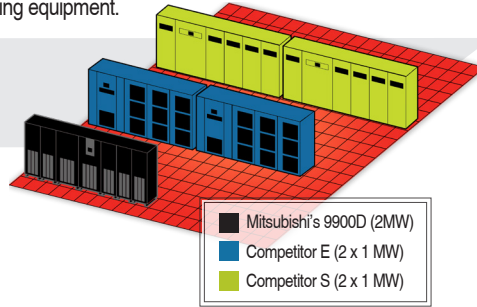
ALL THE POWER

Two-thirds the footprint

By handling the same load in as little as two-thirds of the footprint, the 9900D UPS creates more [white space](#), leaving the remaining third for revenue-generating equipment.

2000 kVA

up to **40%** higher power density than other UPS!



- Mitsubishi's 9900D (2MW)
- Competitor E (2 x 1 MW)
- Competitor S (2 x 1 MW)

99.9995%

Equipment reliability

While competitors simply estimate their reliability, Mitsubishi Electric's documented base of the 9900D has sustained a load carrying capacity 99.9995% of their operational history.

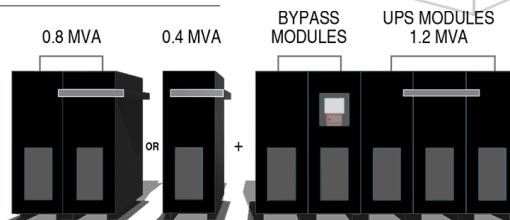
Modular Design allows for N or N+1 Redundancy

MODULAR DESIGN

Efficient, economical expansion

Pay for the power you need, but retain the option to grow your UPS capabilities alongside your business with the 9900D's ability to expand up to 2.0 MVA.

EXPANDABLE
from 1.2 to 1.5/1.6 or 2.0



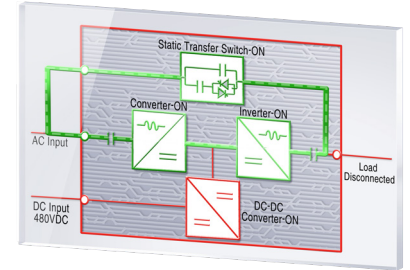
SELF-LOAD TEST

No load bank burn-in

This standard feature offers the ability to run burn-in tests without needing an external load bank connected.

Test Parameters

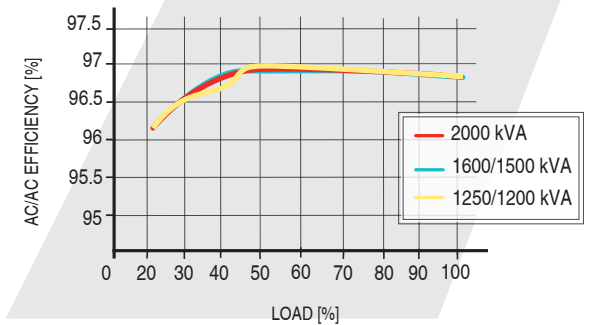
- 20-100% load
- 1-600 minutes
- 0-unity power factor



HIGH EFFICIENCY

Across all load levels

The 9900D UPS is optimized for typical load levels of **25%** to **75%**, delivering high efficiencies across all hyper-scale load levels via online double conversion technology. Efficiencies at low load levels can be further increased through the use of the optional modular efficiency mode.



AC/AC EFFICIENCY CURVES

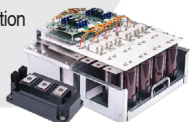
Load	MITSUBISHI ELECTRIC 9900D 1200 kVA	Competitor E 1200 kVA	Competitor S 1250 kVA
25%	96.0%	96.4%	96.0%
50%	97.0%	96.9%	96.6%
75%	97.0%	96.7%	96.4%
100%	96.8%	96.5%	96.0%

MINIMAL VOLTAGE DISTORTION

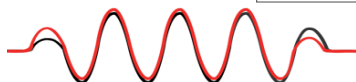
Enhanced output voltage control

The high speed sampling and switching of the 9900D's advanced power electronics ensure superior performance under all load conditions.

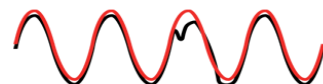
- Excellent output voltage control
- Dynamic inverter response
- Minimal voltage distortion during full load steps w/o DC source



OUTPUT CURRENT
during 100% Step Load



OUTPUT VOLTAGE
during Bypass to Inverter Transfer



COMPLETE, SEAMLESS SOLUTIONS

Purpose-built for your application



EXPERTISE at your fingertips

With its abundance of highly-trained and experienced project engineers on staff, Mitsubishi Electric has accumulated a wealth of knowledge and expertise in designing specialized integral power solutions for traditional and pre-fabricated modular construction.



PERIPHERALS readily available

Battery & DC Power Solutions

- Lithium Ion
- Pure Lead
- VRLA
- Wet Cell (VLA)



Maintenance Bypasses

Paralleling Gear

Multi-Purpose Cabinets

Communication Interfaces

- Modbus RTU & TCP/IP
- SNMP
- Email alerts
- Hosted website with full power flow diagram
- Fault logging with millisecond timestamping
- Secure login and user levels



SERVICE SOLUTIONS

Mitsubishi Electric's highly reliable and efficient products are backed by a full range of Field and Factory Services.



Factory Testing & Startup

Every UPS is tested prior to shipment with customized in-person or virtual factory witness tests available. Certified technicians perform startup and commissioning.



24/7 Customer Support

Highly-skilled representatives are available to troubleshoot by phone, and if necessary, can quickly dispatch a certified technician to your site. Call 1-800-887-7830, option 1.



Maintenance & Repairs

Mitsubishi Electric offers a variety of customized maintenance solutions and comprehensive services to troubleshoot, diagnose, and repair system irregularities.



Batteries & Battery Services

As batteries are the leading cause of UPS failure, Mitsubishi Electric offers a wide range of maintenance, monitoring, and replacement services to keep your batteries fully operational.



CRITICAL POWER SOLUTIONS

ABOUT US

Based in Pittsburgh, PA, the Critical Power Solutions Division (CPSD) for Mitsubishi Electric US is a business unit of [Mitsubishi Electric Power Products, Inc. \(MEPPI\)](http://MitsubishiElectricPowerProducts.Inc.(MEPPI)).

Mitsubishi Electric has been manufacturing precision engineered highly reliable uninterruptible power supplies since 1964 and delivering solutions to North America's critical facilities since 1985.

CPSD's operations include Project Application Engineering, Design Engineering, Service & Support, Manufacturing & Warehousing, Quality, Sales and Marketing.

