



CRITICAL POWER SOLUTIONS

# 9900 SERIES

THE CLOUD'S UPS OF CHOICE

With legendary performance and reliability, the biggest names in cloud and colo with the most demanding expectations for uptime have made the 9900 Series their UPS of choice.



Available in 300, 500, 750 & 1050 kVA



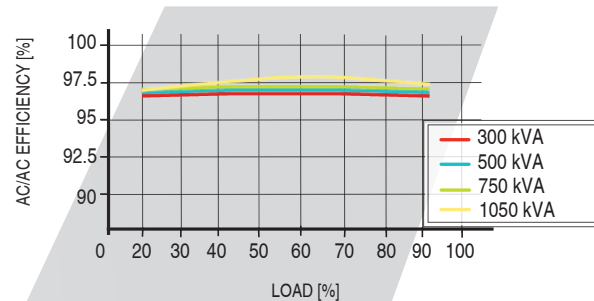
## 99.9995% Equipment reliability

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



## HIGH EFFICIENCY Across all load levels

Mitsubishi Electric's superior expertise in optimizing power device control is evident by the flatness of the resulting curve, demonstrating high efficiency across all load levels.



AC/AC EFFICIENCY CURVES

Load %	300 kVA	500 kVA	750 kVA	1050 kVA
25%	95.4%	95.5%	95.7%	96.2%
50%	96.2%	96.3%	96.5%	96.9%
75%	96.2%	96.3%	96.5%	97.0%
100%	96.0%	96.1%	96.3%	96.8%



## PERFORMANCE Guarantee

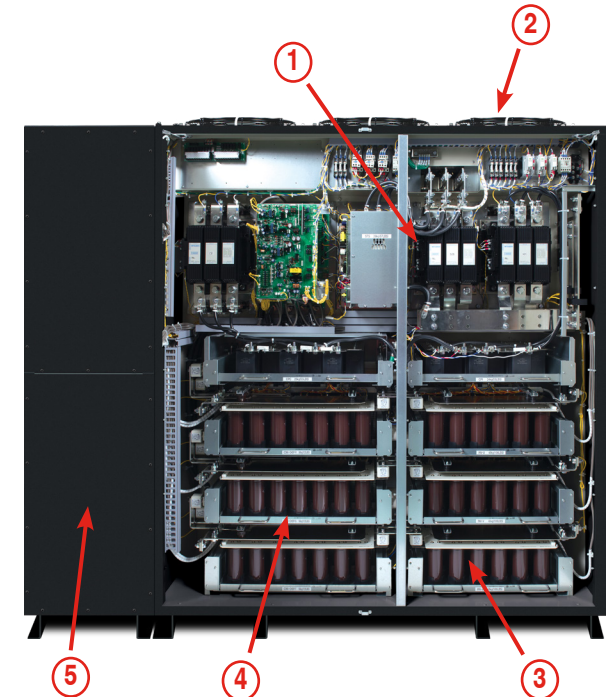
The AC/AC efficiency of the 9900 Series UPS modules as supplied will not be less than 1% below the specified efficiency published in the Mitsubishi Electric factory specification.



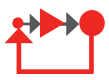
## LOW MAINTENANCE Consistent quality

Designed with not only reliability, but also maintenance in mind, the various system components of the 9900 Series UPS minimize or help ease system maintenance. Low-effort accessible upkeep systems ensure consistent quality operation for the lifetime of the system.

Below are a few features that make the 9900 Series easy to maintain:



- ① Static switch with wrap around contactor for increased reliability and added redundancy
- ② High quality industrial grade fans to provide longer life and enhanced dependability
- ③ 15 year capacitor life for increased reliability and decreased maintenance costs
- ④ Draw out trays for ease of maintenance and decreased downtime
- ⑤ Flexible input/output cabinet

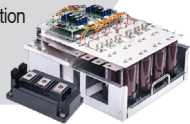


# MINIMAL VOLTAGE DISTORTION

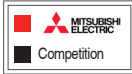
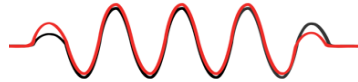
*Enhanced output voltage control*

The high speed sampling and switching of the IGBTs in the 9900B and 9900CX UPS ensure superior performance under all load conditions.

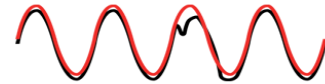
- Excellent output voltage control
- Dynamic inverter response
- Minimal voltage distortion during full load steps w/o DC source



**OUTPUT CURRENT**  
*during 100% Step Load*



**OUTPUT VOLTAGE**  
*during Inverter to Bypass 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
- VRLA
- Pure Lead
- 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.

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