9900CX DATA SHEET 1400, 1750, 2100KVA

MITSUBISHI ELECTRIC
UNINTERRUPTIBLE POWER SUPPLIES

Ideal for hyperscale data center applications.

The 9900CX UPS from Mitsubishi Electric is a highly efficient true on-line, double conversion three phase UPS that will protect your equipment from any disruptions in power.

Its modular design enables supplemental modules to be added over time as needed to increase capacity, making hyperscale expansion faster, easier and more economical. Featuring N+1 redundant modular power electronics for increased reliability, the 9900CX is the right UPS to maximize your data centers uptime. Internal controls isolate a power module in the event of failure leaving you up and running during critical power protection events.

It is available from 1050kVA and expandable to 1400, 1750, 2100kVA sizes.

ABOUT US

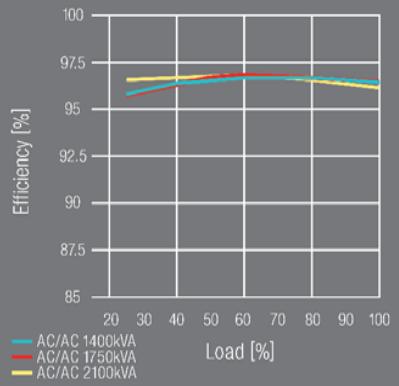
Since 1964, Mitsubishi Electric has manufactured precision-engineered, high quality uninterruptible power supplies to protect its customers' mission critical equipment during times of power instability. Mitsubishi Electric leads the industry in designing and manufacturing reliable, environmentally friendly UPS systems to extend uptime, prevent data loss and protect against power surges. Mitsubishi Electric Power Products' UPS division offers systems in both single- and multi-module configurations and a broad range of kVA capacities, from 6 kVA to over 2 MVA.

OUR SERVICES

With more than 250 certified technicians in the field, Mitsubishi Electric offers around the clock protection, keeping your operations safe against outages, grid decay and other crucial threats to the flow of business. Offerings include routine maintenance checks, priority demand on parts and service, and 24/7 communication with experienced technical support staff. Comprehensive maintenance inspections include UPS diagnostic reports, complete battery testing, and site hazard checks to keep your systems running at maximum efficiency. Other services include factory witness testing and collaborative engineering. With their highly skilled technicians, day and night technical support, and premier equipment, Mitsubishi Electric has the resources to keep customers safe from the unexpected.

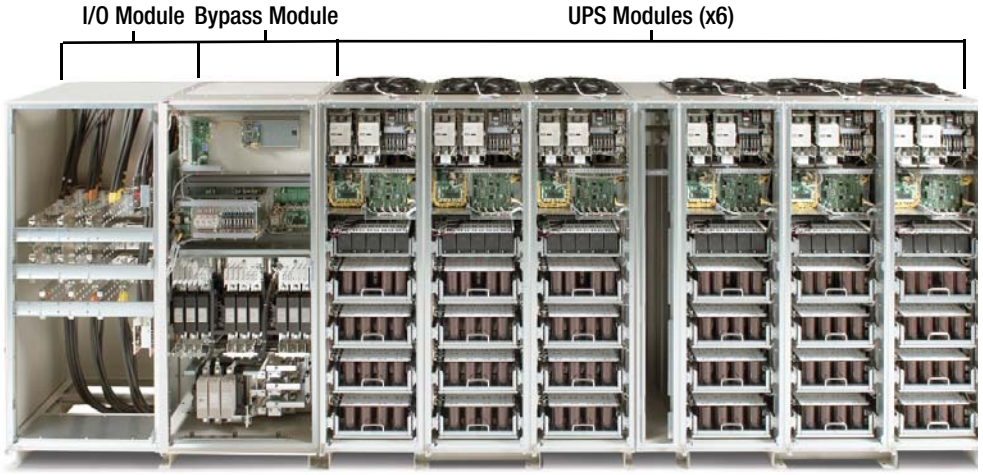
FEATURES & BENEFITS

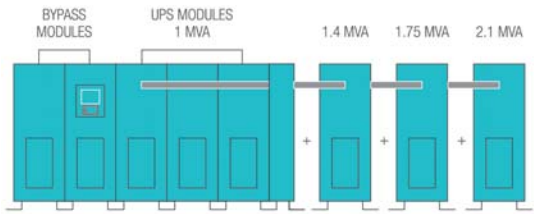
- Space saving footprint
- Unprecedented load capabilities
- Up to 97% efficient
- Modularity allows for N+1 reliability
- Expandable in 350kVA increments



Load %	2100kVA
25	96.1
40	96.8
50	97.0
75	96.9
100	96.6

	2100kVA
MTBF[hr]	188,000





The 9900CX can be Expanded in 350kVA Increments from 1050kVA to a Maximum of 2100kVA

Optional Maintenance Bypass Cabinet

NOTE: Above illustrations are not to scale.

	9900CX		
Rated Output kVA	1400	1750	2100
Rated Output kW	1333	1666	2000
AC INPUT			
Configuration	3 phase, 3 wire		
Voltage	480V		
Frequency	60Hz +/- 10%		
Power Factor	.99 Lagging		
Reflected Current THD	3% typ. at 100% load; 5% typ. at 50% load		
BATTERY			
Type	VRLA, VLA, NiCad, Li Ion		
Backup Time	2min+		
Nominal Voltage	480 Vdc		
Minimum Voltage	400.8 Vdc		
Number of Cells	240		
AC OUTPUT			
Configuration	3 phase, 3 wire		
Voltage	480V		
Voltage Stability	+/-1% steady state		
Voltage Unbalance	2% typical at 100% unbalanced load		
Voltage THD	2% typical THD at 100% linear load 5% THD at 100% non-linear load		
Transient Response	+/-5%		
Transient Recovery Time	20 ms		
Frequency	60 Hz		
Frequency Regulation	+/-0.01% in free running mode		
Phase Displacement	1deg Typical at 100% load		
Power Factor	0.95		
Power Factor Range	0.7 to 1.0 lagging (within ouput kW rating)		
Overload Capacity	105%-125% for 5 minutes, 126%-150% for 1 minute		
ENVIRONMENTAL			
Cooling 9180	Forced Air		
Operating Temperature	32°F to 104°F (0°C to 40°C). Recommended 59°F to 77°F (15°C to 25°C)		
Relative Humidity	30% to 90% non condensing		
Altitude	0 to 6500 feet no derating		
Location	Temperature-controlled, indoor area free of conductive contaminants		
Clearance Required	Top: 23.6 in. Front: 39.4 in. Rear: 0 in.		
GENERAL			
Weight (lbs)	9180	11,110	13,530
Dimensions (WxDxH) (In)	167.3 x 35.5 x 80.7	198.9 x 35.5 x 80.7	222.4 x 35.5 x 80.7
Heat Rejection (kBTU/Hr)	150.02	187.53	236.59

IT'S TIME TO RETHINK YOUR UPS.

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