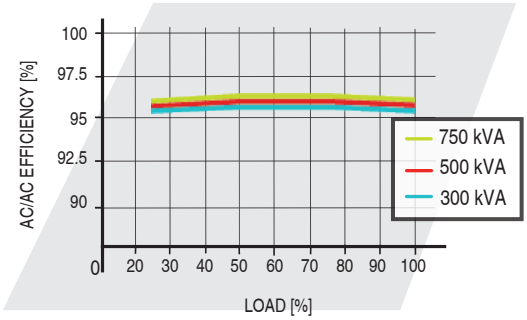
9900B DATA SHEET 300, 500, 750 kVA

MITSUBISHI ELECTRIC
CRITICAL POWER SOLUTIONS

HIGH EFFICIENCY %



AC/AC EFFICIENCY CURVES

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

FEATURES & BENEFITS

LITHIUM READY

1. Static switch with wrap around contactor for increased reliability and added redundancy
2. High quality industrial grade fans for 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

Rated Output	300 kVA (300 kW)	500 kVA (500 kW)	750 kVA (750 kW)
AC INPUT			
Configuration	3 phase, 3 wire		
Voltage	480V +15%, -20%		
Frequency	60Hz ±10%		
Power Factor	> 0.99 lagging		
Reflected Current THD	3% typ. at 100% load; 5% typ. at 50% load		
BATTERY			
Nominal Voltage	480 Vdc		
Minimum Voltage	400 Vdc		
Float Voltage	up to 600 Vdc		
Type	VRLA, VLA, NiCad, Lithium Ion		
AC OUTPUT			
Configuration	3 phase, 3 wire		
Voltage	480V		
Voltage Regulation	±1% for balanced load; ±2% for unbalanced load		
Voltage Balance	1%		
Voltage THD	< 2% at 100% linear load; < 5% at 100% non-linear load		
Transient Response	±2% for step load; ±1% for loss/return of AC input; ±5% for retransfer from bypass to inverter		
Transient Recovery Time	20 ms		
Frequency	60Hz		
Frequency Regulation	±0.01% in free running mode		
Phase Displacement	±1° for 100% balanced load; ±3° for 100% unbalanced load		
Power Factor	1.0		
Overload Capacity	105% to 110% for 60 min; 111% to 125% for 10 min; 126% to 150% for 1 min		
ENVIRONMENTAL			
Cooling	Air Condition		
Operating Temperature	32°F to 104°F (0°C to 40°C)		
Relative Humidity	5% to 95% non-condensing; recommended 30% to 90%		
Altitude	0 to 7400 feet (2250 m)		
Location	Temperature-controlled, indoor area free of conductive contaminants		
Clearance Required (Max)	Top: 23.63 in; Front: 42.3 in; Rear: 0 in		
GENERAL			
Weight	2360 lb (1070.5 kg)	3605 lb (1635.2 kg)	4525 lb (2052.5 kg)
Dimensions (WxDxH) (In)	55.12 x 32.7 x 80.7	88.35 x 32.7 x 80.7	106.85 x 32.7 x 80.7
Heat Rejection (kBTU/Hr) @ 100% Load	42.68	69.28	98.39

ABOUT US

Based in Pittsburgh, PA, the Critical Power Solutions Division (CPSD) is a business unit of Mitsubishi Electric Power Products, Inc. (MEPPI). Mitsubishi Electric has been manufacturing precision engineered highly reliable uninterruptible power supplies since 1964 and introduced a line of cooling systems in 2021. CPSD's operations include Project Application Engineering, Design Engineering, Service & Support, Manufacturing & Warehousing, Quality, Sales and Marketing.

OUR SERVICES

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

- Factory Testing & Startup
- 24/7 Customer Support
- Maintenance & Repairs
- Batteries & Battery Services

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