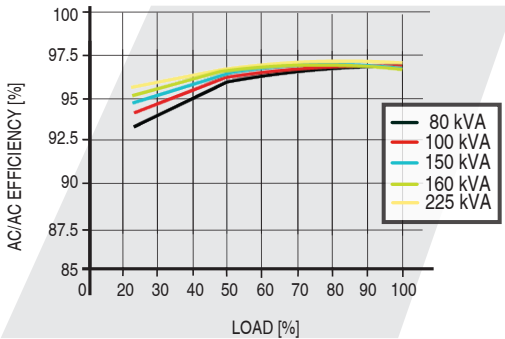


9900AEGIS DATA SHEET

80, 100, 150, 160 & 225 kVA



HIGH EFFICIENCY %



AC/AC EFFICIENCY CURVES

Load %	80 kVA	100 kVA	150 kVA	160 kVA	225 kVA
25%	93.4%	94.2%	94.9%	95.1%	95.7%
50%	95.6%	96.1%	96.3%	96.3%	96.8%
75%	96.4%	96.5%	96.6%	96.5%	96.9%
100%	96.6%	96.6%	96.5%	96.4%	96.8%

FEATURES & BENEFITS

- 1 Transformer-less design using 3-level IGBT topology
- 2 Up to 97% efficient in double conversion
- 3 Compact design: 80-160kVA - 27.6" wide; 225kVA - 35.4" wide
- 4 Parallel up to 4 modules
- 5 15 year capacitor life; UL924 compliant configurations

Rated Output	80 kVA (72 kW)	100 kVA (90 kW)	150 kVA (135 kW)	160 kVA (144 kW)	225 kVA (202.5 kW)
AC INPUT					
Configuration	3 phase, 3 wire				
Voltage	480V +15%, -20%				
Frequency	60 Hz ±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	60 Hz				
Frequency Regulation	±0.01% in free running mode				
Phase Displacement	±1° for 100% balanced load; ±3° for 100% unbalanced load				
Power Factor	0.90				
Overload Capacity	105%-110% for 60 min; 111%-125% to 2 min; 126%-150% for 1 min				

ENVIRONMENTAL					
Cooling	Forced Air				
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: 19.7 in; Front: 39.4 in				

GENERAL					
Weight	772 lb (350 kg)	772 lb (350 kg)	860 lb (390 kg)	860 lb (390 kg)	1080 lb (490 kg)
Dimensions (WxDxH) (In)	27.6 x 32.8 x 80.6	27.6 x 32.8 x 80.6	27.6 x 32.8 x 80.6	27.6 x 32.8 x 80.6	35.4 x 32.8 x 80.6
Heat Rejection (kBTU/Hr) @ 100% Load	8.6	10.8	16.7	18.3	22.8

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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