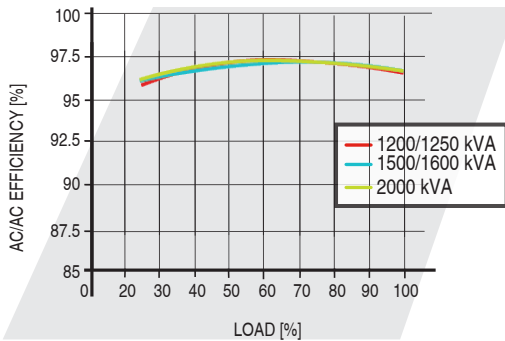


99000 DATA SHEET 1200, 1250, 1500, 1600, 2000 kVA



HIGH EFFICIENCY %



AC/AC EFFICIENCY CURVES

Load %	1200/1250 kVA	1500/1600 kVA	2000 kVA
25%	96.0%	96.3%	96.3%
50%	97.0%	96.9%	97.0%
75%	97.0%	97.0%	97.0%
100%	96.8%	96.9%	96.9%

FEATURES & BENEFITS

- 1 Space saving footprint
- 2 True on-line double conversion
- 3 Up to 97% efficient
- 4 Modularity allows for N or N+1 reliability
- 5 Expandable in 400kVA increments
- 6 Load bank free burn-in test capability

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.

Rated Output	1200 kVA (1200 kW)	1250 kVA (1250 kW)	1500 kVA (1500 kW)	1600 kVA (1600 kW)	2000 kVA (2000 kW)
AC INPUT					
Configuration	3 phase, 3 wire				
Voltage	480V +15%, -20%				
Frequency	60 Hz ±10%				
Power Factor	> 0.98 lagging				
Reflected Current THD	3% typ. at 100% load; 6% 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% at 100% for unbalanced load				
Voltage Balance	2%				
Voltage THD	<2% at 100% linear load; <5% at 100% non-linear load				
Transient Response	±5% 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	1.0				
Overload Capacity	105%-110% for 60 min; 111%-125% for 10 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 6500 feet no derating (1981 m)				
Location	Temperature-controlled, indoor area free of conductive contaminants				
Clearance Required (Max)	Top: 23.6 in; Front: 39.4 in; Rear: 0 in				
GENERAL					
Weight	7270 lb (3300 kg)	7270 lb (3300 kg)	9750 lb (4423 kg)	9750 lb (4423 kg)	11470 lb (5220 kg)
Dimensions (WxDxH) (In)	133.9 x 35.4 x 80.7	133.9 x 35.4 x 80.7	169.3 x 35.4 x 80.7	169.3 x 35.4 x 80.7	192.9 x 35.4 x 80.7
Heat Rejection (kBTU/Hr) @ 100% Load	135.4	141.0	163.7	174.6	218.3

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

