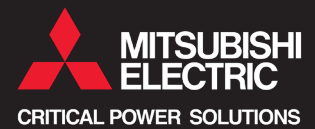
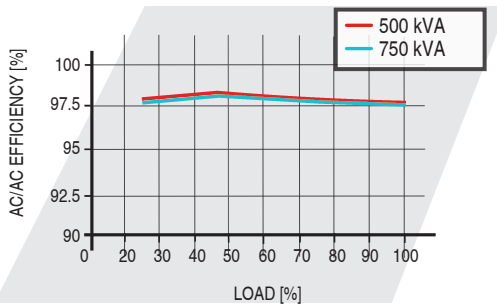


SUMMIT SERIES® DATA SHEET 500 & 750 kVA



HIGH EFFICIENCY



AC/AC EFFICIENCY CURVES

Load %	500 kVA	750 kVA
25%	97.9%	97.8%
50%	98.2%	98.0%
75%	98.0%	97.9%
100%	97.6%	97.5%

FEATURES & BENEFITS

- 1 Ultra high efficiency [Silicon Carbide \(SiC\)](#) power devices
- 2 Smallest footprint for these capacities on the market
- 3 High frequency battery charging for increased battery life
- 4 Lower heat rejection for realizing cooling savings
- 5 Advanced harmonic mitigation and active power factor correction

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	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 545 Vdc	
Type	VRLA, VLA, 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%-109% for 60 min; 110%-124% for 1 min; 125%-149% for 10 sec	
ENVIRONMENTAL		
Cooling	Forced Air	
Operating Temperature	41°F to 95°F (5°C to 35°C)	
Relative Humidity	5% to 95% non-condensing; recommended 30% to 90%	
Altitude	0 to 7400 feet (2255 m)	
Location	Temperature-controlled, indoor area free of conductive contaminants	
Clearance Required (Max)	Top: 23.63 in; Front: 42.32 in; Rear: 0 in	
GENERAL		
Weight	3072 lb (1394 kg)	4290 lb (1946 kg)
Dimensions (WxDxH) (In)	79.4 x 33.6 x 80.4	101.8 x 33.6 x 80.6
Heat Rejection (kBTU/Hr) @ 100% Load	42.0	62.9



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



EVERPOWER

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