SUMMIT SERIES® DATA SHEET 500 & 750 KVA

MITSUBISHI ELECTRIC
UNINTERRUPTIBLE POWER SUPPLIES

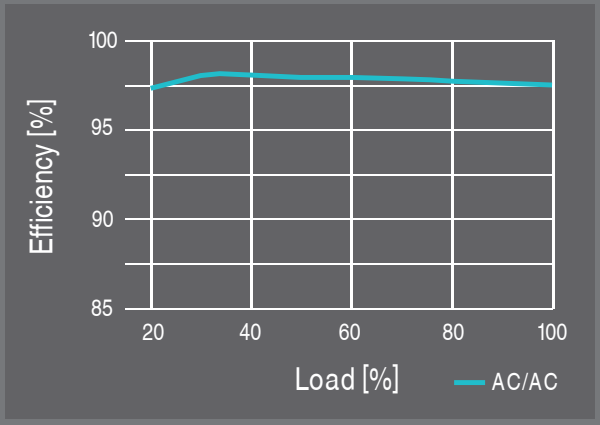
The Highest Efficiency Double Conversion UPS on the Market

The next-generation power semiconductor is here! Mitsubishi Electric's SUMMIT SERIES UPS replaces the Si (silicon) IGBT with advanced capability SiC (silicon carbide) semiconductors. Mitsubishi Electric began development of SiC (Silicon Carbide) semiconductors during the early 1990's and now offers this proven technology for deployment in Mitsubishi Electric UPSs. Higher efficiencies are achieved across all load levels with SiC's lower switching losses, higher switching frequencies, and improved thermal conductivity range.

Silicon Carbide also allows the UPS to run more efficiently. In fact, the SUMMIT 750 kVA and SUMMIT 500kVA have the two highest efficiencies on the Energy Star website in the AC-Double Conversion (VFI) product category.

FEATURES & BENEFITS

- Ultra high efficiency silicon carbide power devices
- Advanced harmonic mitigation and active power factor correction
- High frequency battery charging for increased battery life
- All technology backed by a high speed sampling rate for superior control
- Smallest footprint for these capacities on the market



ABOUT US

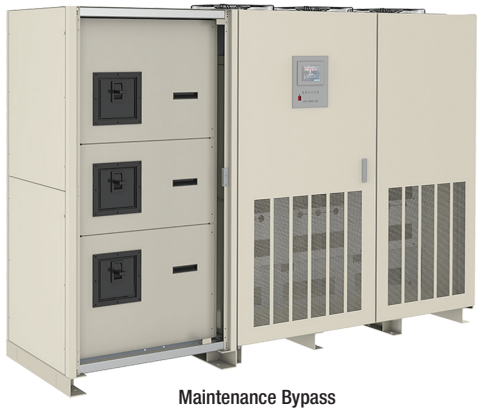
The Mitsubishi Electric name has long been recognized as one of the world's leaders in the manufacture of electrical products. From its founding in 1921, Mitsubishi Electric has been at the forefront of technical ingenuity and product innovation. Since 1964, Mitsubishi Electric has been manufacturing precision engineered highly reliable Uninterruptible Power Supplies and solving the challenges of American critical facilities since 1985. True to form, Mitsubishi Electric has led the way in technological advances of uninterruptible power supplies and is the only brand that manufactures its own semiconductors. Evidence of Mitsubishi's unsurpassed expertise lies in the fact that a Mitsubishi Electric UPS holds the highest efficiency rating for the AC-Double Conversion (VFI) category on the Energy Star web site. Interestingly, Mitsubishi Electric is the only brand to openly share reliability data.

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.

CONFIGURATIONS

While the UPS is the most critical piece of infrastructure in a data center, Mitsubishi Electric can customize a complete and seamless backup solution to suit a customer's specific needs. A variety of peripherals including maintenance bypasses, DC energy solutions, and communication options are readily available.



Maintenance Bypass

Lithium Ion Ready!

MegaPod®

NOTE: Above illustrations are not to scale.

IT'S TIME TO RETHINK YOUR UPS.

www.mitsubishicritical.com
UPSsales@meppi.com
800-887-7830
724-772-2555

MITSUBISHI ELECTRIC
UNINTERRUPTIBLE POWER SUPPLIES

SA-ENL0048 (11/18)

	500 kVA	750 kVA
Rated Output kVA	500	750
Rated Output kW	500	750
AC INPUT		
Configuration	3 phase 3 wire	
Voltage	480V +15%, -20%	
Frequency	60Hz ± 10%	
Power Factor	> .98 Lagging	
Reflected Current THD	3% max at 100% load (no input filter required)	
BATTERY		
Nominal Voltage	480 Vdc	
Minimum Voltage	400 Vdc	
Float Voltage	Up to 545 Vdc	
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	125% for 60 sec; 150% for 10 sec	
ENVIRONMENTAL		
Cooling	Forced Air	
Operating Temperature	32°F to 104°F (0°C to 40°C)	
Relative Humidity	30% to 90% non-condensing	
Altitude	0 to 7400 feet (2255 m)	
Location	Temperature-controlled, indoor area free of conductive contaminants	
Clearance Required	Top: 16 in; Front: 31.5 in; Rear: 8 in.	
GENERAL		
Weight (lbs)	2772 lb (1257 kg)	3990 lb (1810 kg)
Dimensions (WxDxH)	59.1"W x 33.8"D x 80.6"H	84.6"W x 33.8"D x 80.6"H
Heat Rejection (kBTU/Hr) @ 100% Load	500 kVA	750 kVA
	42.0	62.9