

EMERGENCY LIGHTING UPS DATA SHEET



Whether your building is commercial, multi-residential, a data center, or other type of facility, an effective emergency lighting system is vital for the safe evacuation of occupants during emergency situations. Mitsubishi Electric offers multiple UPS solutions that are UL 924 tested and certified and provide a solution with the highest reliability among backup power equipment suppliers.

The 9900AEGIS is the smallest in the popular 9900 series UPS from Mitsubishi Electric. Like all other Mitsubishi Electric UPSs, the AEGIS™ is a three-phase, on-line double-conversion system and features Mitsubishi Electric's world-renowned 3 Level Insulated Gate Bipolar Transistor (IGBT) technology for enhanced UPS performance and reliability. Available in 80kVA and 100kVA sizes for UL 924 applications, the AEGIS™ also has a higher power density than comparable UPSs, maximizing power output while minimizing footprint.

The Mitsubishi Electric DiamondPlus® 1100 series UPS is available in two models for UL 924 applications, providing multiple options to meet your specific needs. The UL 924 versions of the 1100A series include 10kVA through 40kVA and those in the 1100B series include 10kVA through 60kVA. Both models can be expanded in 10kVA increments up to their final size, allowing the UPS to grow with your load or have the option of internal redundancy.

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.

FEATURES & BENEFITS

- 1100 Series UPS is modular and expandable
- Large capacities allow for a centralized approach
- Small footprint
- Front terminal VRLA batteries for ease of maintenance
- Listed to UL 924

DIMENSIONS & WEIGHTS

Model	Dimensions (W x D x H) (in.)	Weight (lbs)
9900AEGIS	27.6 x 32.8 x 80.6	772
Battery Cabinet (each)	48.5 x 33.6 x 84	7210
DiamondPlus 1100A	19.7 x 27 x 55.1	290 - 420
DiamondPlus 1100B	31.5 x 27 x 67.3	498 - 719
Battery Cabinet (each)	36 x 31.5 x 82	4460

DiamondPlus 1100A



9900AEGIS

DiamondPlus 1100B



NOTE: Above illustrations are not to scale.

9900AEGIS™

Rated Output kVA	80	100
Rated Output kW	72	90
AC Input		
Configuration	3 phase 3 wire	
Voltage	480V +15%, -20%	
Frequency	60Hz ±5%	
Battery		
Nominal Voltage	480 Vdc	
Number of Cabinets	2	
Type	Front Terminal VRLA	
Runtime	Minimum 90 Minutes	
AC Output		
Configuration	3 phase 3 wire	
Voltage	480V	
Voltage Regulation	±1% for balanced load, ±2% for unbalanced load	
Frequency	60Hz	

DiamondPlus® 1100

Rated Output kVA	10	20	30	40	50	60
Rated Output kW	9	18	27	36	45	54
AC Input						
Configuration	3 phase 4 wire					
Voltage	120/208V +15%, -30%					
Frequency	60Hz ±10%					
Battery						
Nominal Voltage	288 Vdc					
Number of Cabinets	1	2				
Type	Front Terminal VRLA					
Runtime	Minimum 90 Minutes					
AC Output						
Configuration	3 phase 4 wire					
Voltage	120/208V					
Voltage Regulation	±1% for balanced load, ±2% for unbalanced load					
Frequency	60Hz					

IT'S TIME TO RETHINK YOUR UPS.

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

