

UNINTERRUPTIBLE POWER SUPPLIES

UNINTERRUPTED Peace of Mind

9900  
AEGIS™ UPS  
80 to 225 kVA | 203 kW



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Up to 225 kVA | 203 kW



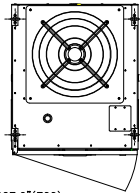
UNINTERRUPTIBLE POWER SUPPLIES

# HIGH EFFICIENCY REGARDLESS OF LOAD LEVEL

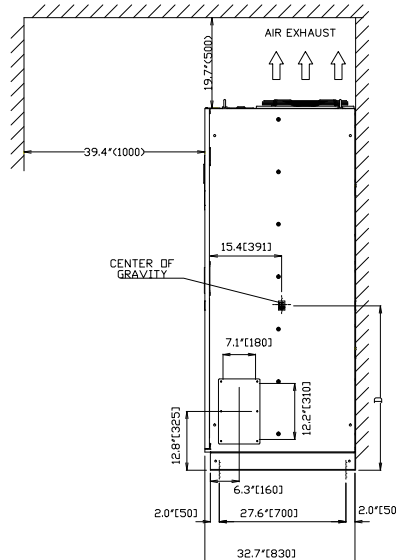
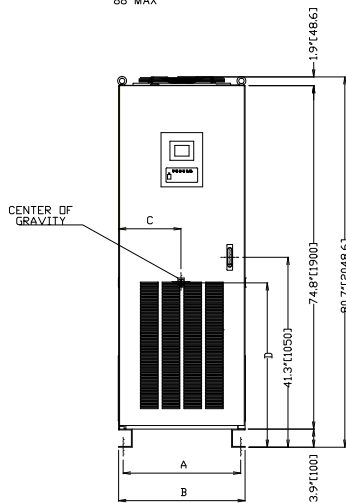
The new AEGIS™ series UPS is the successor to Mitsubishi's 9900A Series. Like all other Mitsubishi UPSs, the AEGIS™ is a three-phase, on-line double-conversion system and features Mitsubishi's world-renown Insulated Gate Bipolar Transistor (IGBT) technology for enhanced UPS performance and reliability. The AEGIS series is available in 80, 100, 150, 160, and 225 kVA and is UL924 listed (Standard for Emergency Lighting). One of the outstanding features of the AEGIS is that it boasts a relatively flat efficiency curve, indicating that the UPS is highly efficient regardless of the load. This is significant since loads in various data centers can range anywhere from 25% to nearly 100%. For example, the 225 kVA model has an impressive efficiency of 95.7% with a load of just 25% while in double conversion mode.

## FEATURES & BENEFITS

- ▲ Up to 97% efficient at double conversion mode
- ▲ Advanced three level topology
- ▲ 0.99 Input Power Factor at 100% & 50% Load
- ▲ Enviro-mode: up to 99% efficiency (optional)
- ▲ 0.9 Output Power Factor
- ▲ Compact design: 80-160 kVA: 27.6" wide; 225 kVA: 35.4" wide
- ▲ Front access
- ▲ Bottom and side cable entry (top with optional side car)



R27.6"(700)  
DOOR SWING  
88" MAX



### DIMENSIONS:

	80 kVA 100 kVA 150 kVA 160 kVA	225 kVA
A	25.6" (650 mm)	33.5" (850 mm)
B	27.6" (700 mm)	35.4" (900 mm)
C	13.4" (340 mm)	16.9" (430 mm)
D	36.1" (916 mm)	35.8" (909 mm)

## DRAWING



# Reliable Backup Power

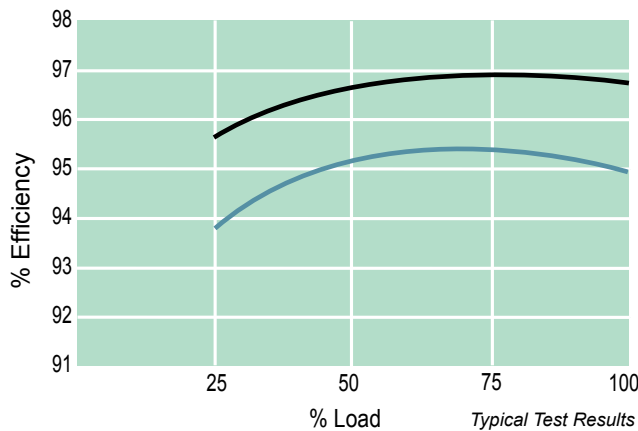
## SPECIFICATIONS

<b>AC INPUT</b>	Configuration	3 phase, 3 wire plus ground
	Voltage	480 V
	Voltage Range	+15/-20%
	Frequency	60 Hz (±10%)
	Power Factor	0.99 Typical
	Input Current Distortion	< 3%
	Reflected Current THDi	3% typical at 100% load 5% typical at 50% load
<b>STATIC BYPASS INPUT</b>	Configuration	3 phase, 3 wire
	Voltage	480 V
	Frequency	60 Hz (±5%)
<b>BATTERY</b>	Nominal Voltage	480 V DC
	Minimum Voltage	400 V DC
	Float Voltage	545 V DC

<b>AC OUTPUT</b>	Configuration	3 phase, 3 wire plus ground
	Voltage	480 V
	Frequency	60 Hz
	Voltage Regulation	±1% for balanced load
	Manually Adjustable Output Voltage	±5% range
	Rated Load Power Factor	0.9
	THD (VOUT)	2% max (linear load) 5% max (non-linear load)
	Voltage Phase Displacement	±1° (100% balanced load) ±3° (100% unbalanced load)
	Voltage Transient Response (Normal Mode)	±2% (100% Step Load) ±1% (Loss/Return of AC Input) ±5% (Bypass to Inverter)
	Voltage Transient Response (Optimum Efficiency Mode)	±7% (100% Step Load) ±5% (Loss/Return of AC Input) ±5% (Bypass to Inverter)
Overload Capacity	105 to 125% for 2 minutes; 126 to 150% for 60 seconds (Voltage regulation maintained)	

<b>GENERAL</b>	Operating Temperature	32° F to 104° F (0° C to 40° C)
	Relative Humidity	5% – 95% Non-Condensing
	Altitude	0 to 7400 feet (2250 m)
	Emergency Power Off	Included
	Parallel Capability	4 Units (1 MMS-kit required per unit). Enviro-Mode not available in MMS configuration.
	Cable Entry	Bottom/side (Top with optional sidecar)
	Weight	80-100 kVA: 772 lb. (351 kg) 150-160 kVA: 860 lb. (391 kg) 225 kVA: 1080 lb. (491 kg)

kVA	kW
80	72
100	90
150	135
160	144
225	202,5



**KEY:**  
 — Mitsubishi  
 — Competitor X

AC to AC Efficiency (%)				
% Load	25%	50%	75%	100%
Mitsubishi	95.7	96.8	96.9	96.8
Competitor X	93.8	95.2	95.3	94.9

## OUTPUT CAPACITY

## EFFICIENCY CURVE





**Contact Information**

Thorn Hill Industrial Park  
530 Keystone Drive  
Warrendale, PA 15086  
phone: 724.772.2555  
web: www.meppi.com



**for a greener tomorrow**

The AEGIS™ UPS boasts a small footprint, with the largest kVA rating having a width of less than 3 feet. It is also significantly lighter in weight than its competitors of the same kVA rating. The AEGIS is supplied with LookUPS™ on-board communications and is UL924 listed. The AEGIS can be configured both as a single module or in multi-module systems up to 4 units. The AEGIS UPS supplies clean, continuous power to mission critical equipment while reducing a facility's operating costs and carbon footprint.



Connect with us:



Since 1964, Mitsubishi Electric has manufactured precision-engineered high quality Uninterruptible Power Supplies (UPS) to protect mission critical equipment during times of power instability. Mitsubishi Electric Power Products' UPS systems are unsurpassed in reliability, quality and efficiency. We are dedicated to developing the best UPS systems on the market, and provide unrivaled service for the lifetime of your UPS.

The 9900 AEGIS™ UPS is fully supported by Mitsubishi Electric Power Products' 24/7 factory service department, including customer training, application expertise and a three-year parts and labor warranty.

