



Symmetra® MW 800–1000kW

High performance, redundant power protection with scalable power and runtime for data centers and facilities

Symmetra® MW redefines high-power UPS technology as a modular, fault-tolerant UPS in the 400-1600 kilowatt range. Ideal for large data centers, complete buildings, healthcare and other critical facility protection requirements, the Symmetra MW can be scaled for rigorous and changing electrical demands. Symmetra MW provides increased availability through internal N+1 configurability, predictive failure notification and multi-module paralleling features. Setting a new standard for low cost of ownership Symmetra MW delivers best-in-class efficiency and a reduction in rating of electrical infrastructure- wires, transformers and generators. Slide-in/out power modules, manageable external batteries and self-diagnosing features greatly reduce mean time to repair. Combined with a wide range of line-up and match options Symmetra MW provides a customizable system in a standardized design for any large on-demand network-critical physical infrastructure.

Features & Benefits:

AVAILABILITY

Configurable for N+1 internal redundancy provides high availability through redundancy by allowing configuration with one more Power Module than is necessary to support the connected load.

Power Modules connected in parallel enhances availability by allowing immediate, seamless recovery from isolated module failures.

Modular design provides fast serviceability and reduced maintenance requirements via self-diagnosing, field-replaceable modules.

Predictive failure notification enables timely preventive maintenance by providing early-warning fault analysis

LCD display provides schematic overview of critical data for guided operation and troubleshooting on color LCD touch-screen.

Audible Alarms provides notification of changing utility power and UPS conditions.

Generator Compatible ensures clean, uninterrupted power to protected equipment when generator power is used.

AGILITY

Scalable Power Capacity reduces UPS over-sizing costs today by allowing quick upgrades later.

Parallel-capacity capable increases total power capacity by using multiple UPSs simultaneously.

Parallel-redundant capable power the connected equipment with multiple UPSs to increase system redundancy

Multiple cable-entry points provides flexibility of UPS placement in the room and easy access to install cabling to the terminal blocks.

Front-access servicing simplifies installation and maintenance while minimizing space requirements

TOTAL COST OF OWNERSHIP

Fully-rated power kVA equals kW reduces cost by eliminating the need for an oversized UPS for Power Factor Corrected (PFC) loads.

Input Power Factor Correction eliminates the need for an external phase-compensation unit and minimizes installation costs by enabling the use of smaller generators and cabling.

Automatic self-test ensures early detection of potential problems by periodic testing of UPS components.

Temperature-compensated battery charging prolongs battery life by regulating the charge voltage according to actual battery temperature.

Intelligent Battery Management provides higher availability through intelligent precision-charging that maximizes battery performance, life, and reliability.



The world's largest modular UPS

For more information about APC's Symmetra MW products, go to www.apc.com

APC®
Legendary Reliability®

Technical Specifications	SY800K800G	SY1000K1000G
Input		
Nominal Input Voltage	480V 3PH	
Input Frequency	60 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%	
Input Connections Type	Hard Wire 4-wire (3PH + G)	
Input Power Factor at Full Load	0.99	
Output		
Rated Power (VA)	800000	1000000
Rated Power (Watt)	800000	1000000
Output Voltages	480V 3PH	
Efficiency at Full Load	97.0%	
Output Connections	Hard Wire 4-wire (3PH + G)	
Max Output Current	962	1203
Full Load Output Voltage Distortion	Less than 5% at full load	
Output Frequency (sync to mains)	60 Hz - programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8%	
Load Crest Factor	Unlimited	
Waveform Type	Sinewave	
Bypass	Uses External Static Bypass	
Batteries and Runtime		
Battery Type	No internal battery: uses external battery system	
Communications and Management		
Communications Interface	Modbus, DB9 RS-232, RJ-45 10/100 Base-T, RS-485, Contact Closures	
Control Panel	Touch-Screen LCD User Interface	
Audible Alarm	Audible and visible alarms prioritized by severity	
Emergency Power Off	Yes	
Physical		
Net Weight	9548.00 lbs. (4340 kg)	11490.00 lbs. (5222.73 kg)
Net Height	80.00 inches (2032 mm)	80.00 inches (2032 mm)
Net Width	146.30 inches (3716 mm)	162.90 inches (4138 mm)
Net Depth	42.00 inches (1067 mm)	42.00 inches (1067 mm)
Color	Light grey (NCS 2703-G84Y)	
Shipping Weight	10648.00 lbs. (4840.00 kg)	12787.00 lbs. (5812.27 kg)
Shipping Height	88.00 inches (2235 mm)	88.00 inches (2235 mm)
Shipping Width	161.00 inches (4089 mm)	198.00 inches (5029 mm)
Shipping Depth	50.00 inches (1270 mm)	50.00 inches (1270 mm)
Environmental		
Audible Noise	74 dBA	75 dBA
Thermal Output	84500 BTU/hr	105600 BTU/hr
Operating Temperature	0 - 40 °C (32 - 104 °F)	
Operating Relative Humidity	0 - 95%	
Operating Elevation	0-3333ft (0-999.9 meters)	
Protection Class	NEMA 1 with NEMA 12 optional	
Storage Temperature	-50 - 40 °C (-58 - 104 °F)	
Storage Relative Humidity	0 - 95%	
Storage Elevation	0-50000ft (0-15000 meters)	
Conformance		
Regulatory Approvals	cUL Listed, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL Listed	
Standard Warranty	1 year repair or replace	
Includes	Assembly Service, Start-Up 7X24	

APC's quality system is certified by ISO 9001 standards



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