

XTREME POWER CONVERSION M90S // APC Symmetra LX COMPARISON

The M90S is a scalable modular online double conversion single phase UPS that protects critical data and equipment with industry leading reliability, efficiency, and flexibility. M90S products are available in capacities from 6KVA to 24KVA with internal or external battery options.



18KVA UPS COMPARISON

	XTREME POWER M90S-18kW	APC SYA16K16P	ADVANTAGES
Capacity	18kVA/18kW	16kVA/12.8kW	Extreme Power M90S has a Unity PF for 18kW output. APC has a .8 PF, for 12.8kW output. The M90S higher Power Factor provides 40% more useable power to the loads.
Topology	Online double conversion	Online double conversion	Both the Xtreme Power M90S and the APC Symmetra LX offer online topology, providing the highest degree of power protection.
Modularity	6kVA to 24kVA in 6kVA increments	4kVA to 16kVA N+1 in 4kVA increments	Both the Xtreme Power M90S and the Symmetra LX have modular chassis construction making it easy to add modules for capacity or redundancy, increasing capability without increasing footprint. M90S is scalable to 24kVA or 18kVA N+1, while Symmetra LX, is limited to 16kVA N+1.
Efficiency	Up to 98% ECO Mode 93% Online Mode	88.7% Online Mode	Xtreme Power M90S has much higher efficiency in On-Line Mode operation, reducing energy consumption and heat output. APC Symmetra does not offer an ECO Mode.
Internal Runtime	Up to 9 minutes @ 18KW	Up to 6 minutes @ 12.8KW	Xtreme Power M90S provides much longer runtime with internal batteries.
Maintenance Bypass	Standard	Standard	Xtreme Power M90S and the APC Symmetra LX have a standard internal Maintenance Bypass Switch, allowing for service of the UPS without disconnecting the loads.
Universal Slots	Yes	No	Xtreme Power M90S has universal slots, accepting either power or battery modules allowing for more configuration versatility. APC Symmetra LX has specific slots for power modules and battery modules.
Display	LCD	LCD	Xtreme Power M90S HAS a 5.7" intuitive LCD graphical interface at the chassis level. The XPC M90S also has LCD displays on each individual module, enhancing information gathering and troubleshooting procedures. APC Symmetra LX has a smaller LCD display at the chassis level.
Warranty	3yr repair or replace	2yr repair or replace	Xtreme Power M90S comes with a 3yr warranty. APC Symmetra LX comes with a 2yr warranty