

XTREME POWER CONVERSION **M90S-4S** // APC **Symmetra LX SYA12K16RMP** COMPARISON

The Xtreme Power Conversion M90S-4S and the APC Symmetra LX SYA12K16RMP are modular, online double-conversion UPS systems for mission-critical single-phase rack loads. The M90S-4S (with M90S-RMK) is an active platform delivering higher usable power, greater efficiency, and long-term expansion and factory support, unlike discontinued legacy systems.



12 kVA UPS Comparison (Rack-Mounted)

Feature	XTREME POWER M90S-4S (with M90S-RMK)	APC Symmetra LX SYA12K16RMP	M90S Advantage
Product Status	Active production	Discontinued	Long-term platform availability
Capacity	12 kVA / 12 kW (Unity PF)	12 kVA / 9.6 kW (0.8 PF)	25% more usable power
Topology	Online double conversion	Online double conversion	Equivalent protection
Modularity / Scalability	4-slot modular chassis (power or battery)	Scalable to 16 kVA N+1 (12.8kW)	Flexible module configuration
Rack Height	33 in (19U)	32.9 in (19U)	More usable kW per rack
Efficiency	Up to 98% (ECO) / 93% online	88.7% online	Lower operating cost & heat
Internal Runtime	Up to 9 min @ 12 kW	Up to 6 min @ 9.6 kW	Longer internal runtime
Maintenance Bypass	Standard	Standard	Equivalent serviceability
Module Slot Flexibility	Universal slots (power or battery)	Dedicated power & battery slots	Simpler expansion & sparing
Warranty	3-year repair or replace	2-year repair or replace	Longer standard warranty