

XTREME POWER CONVERSION **M90S-4S** // Eaton **9PXM8S8K** COMPARISON

The Xtreme Power Conversion M90S-4S and the Eaton 9PXM8S8K are modular, online double-conversion UPS systems designed to protect mission-critical IT, network, and edge infrastructure loads. While both platforms support modular architectures and scalable configurations, the M90S-4S delivers higher usable power, longer internal runtime, and integrated service features, making it better suited for higher-density applications where power headroom and serviceability matter.



8 kVA to 12 kVA UPS Comparison

Feature	XTREME POWER M90S-4S	Eaton 9PXM8S8K	M90S Advantage
UPS Capacity	12 kVA / 12 kW (Unity PF)	8 kVA / 7.2 kW (0.9 PF)	67% more usable power, supporting higher load density without oversizing
Topology	Online double conversion	Online double conversion	Equivalent double-conversion protection for critical loads
Internal Runtime (Full Load)	9 min @ 12 kW	6 min @ 7.2 kW (base battery)	Longer baseline runtime, reducing reliance on external battery cabinets
Maintenance Bypass	Standard integrated bypass	Optional / external	Built-in bypass lowers installation cost and saves space
Rack Mounting	Rack mount kit available (M90S-RMK)	Rack / tower convertible	Flexible deployment options for rack or tower environments
Display & Diagnostics	Chassis-level LCD plus module-level displays	Single chassis-level LCD	More detailed local visibility simplifies commissioning and troubleshooting
Certifications & Compliance	UL, cUL, TAA Compliant	UL, cUL, TAA Compliant	Meets federal and regulated-market requirements
Warranty Coverage	3 years (electronics & batteries)	2-year limited warranty	Longer standard coverage reduces lifecycle risk