

XTREME POWER CONVERSION **M90S-4S** // Eaton **9PXM8S12K** COMPARISON

The Xtreme Power Conversion M90S-4S and the Eaton 9PXM8S12K are modular, online double-conversion UPS systems designed to protect mission-critical IT, network, and edge infrastructure loads. While both platforms support scalable, modular architectures, the M90S-4S delivers full rated usable power at unity power factor, longer internal runtime, and integrated service features, making it better suited for applications where power density, serviceability, and lifecycle cost are key decision factors.



12 kVA UPS Comparison

Feature	XTREME POWER M90S-4S	Eaton 9PXM8S12K	M90S Advantage
UPS Capacity	12 kVA / 12 kW (Unity PF)	12 kVA / 10.8 kW (0.9 PF)	11% more usable kW, supporting full 12 kW loads 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 @ 10.8 kW (base battery)	Longer baseline runtime, reducing reliance on external battery modules
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