

XTREME POWER CONVERSION **M90S-6S** // Eaton **9PXM12** COMPARISON

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



UPS COMPARISON

	XTREME POWER M90S-6S	EATON 9PXM12	ADVANTAGES
Capacity	Up to 24KVA/24KW	Up to 20KVA/18KW	The Xtreme Power M90S-6S is designed with a Unity Power Factor, offering unmatched power handling capability in the market. In comparison, the Eaton 9PXM12 is limited to a 0.9 Power Factor. With its higher kVA capacity and superior Power Factor, the M90S-6S delivers 33% more usable power to your critical loads, ensuring maximum performance and efficiency.
Topology	Online double conversion	Online double conversion	Both the Xtreme Power M90S-6S and Eaton feature online double-conversion topology, delivering the highest level of power protection by ensuring clean and reliable power supply to critical equipment.
Modularity	6KVA to 24KVA in 6KVA increments	4KVA to 20KVA in 4KVA increments	Both the Xtreme Power M90S-6S and Eaton 9PXM12 feature modular chassis construction for easy scalability and redundancy without increasing footprint. The M90S-6S supports up to 24 kVA, surpassing the 9PXM12's 20 kVA limit, with both systems configurable for N+1 redundancy.
Efficiency	Up to 98% ECO Mode 93% in Online Mode	Up to 98% in HE (ECO) mode 93% in Online Mode	Both Xtreme Power M90S-6S and Eaton 9PXM12 have the highest levels of efficiency with ECO Mode and On-Line Mode operation, reducing energy consumption and heat output.
Maintenance Bypass	Standard	Optional	The Xtreme Power M90S-6S integrates a maintenance bypass and output distribution within the UPS frame, reducing installation costs. In contrast, the Eaton 9PXM12 requires a separate, electrician-installed maintenance bypass, adding complexity and expense.
Rackmount	Yes	Yes	Both the Xtreme Power M90S-6S and the Eaton 9PXM12 offer chassis versions that are compatible with most standard 19" racks.
Display	LCD (Chassis and power module level)	LCD (chassis level)	Both the Xtreme Power M90S-6S and the Eaton 9PXM12 offer an intuitive LCD graphical interface at the chassis level. The XPC M90S screen is much larger, and also has LCD displays on each individual module, enhancing information gathering and troubleshooting procedures.
Warranty	3YR Repair or Replace	2YR Repair or Replace	Xtreme Power M90S-6S's 3-year warranty provides longer coverage than Eaton's 2-year warranty.