

XTREME POWER CONVERSION M90S // Eaton 9PXM 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-18KVA	EATON 9PXM	ADVANTAGES
Capacity	Up to 24KVA/24KW	Up to 20KVA/18KW	Xtreme Power M90S has a Unity PF. for the most power handling capability available in the market. Eaton 9PXM has a .9 PF. The M90S higher KVA capability and higher Power Factor enables the M90S to provide 33% more useable power to the loads.
Topology	Online double conversion	Online double conversion	Both the Xtreme Power M90S and the Eaton 9PXM offer online topology, providing the highest degree of power protection.
Modularity	6KVA to 24KVA in 6KVA increments	4KVA to 20KVA in 4KVA increments	Both the Xtreme Power M90S and the Eaton 9PXM have modular chassis construction making it easy to add modules for capacity or redundancy, increasing capability without increasing footprint. M90S is scalable to 24KVA, while the 9PXM is limited to 20KVA. Both systems can be configured with 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 and Eaton 9PXM have the highest levels of efficiency with ECO Mode and On-Line Mode operation, reducing energy consumption and heat output.
Maintenance Bypass	Standard	Optional	Xtreme Power M90S's Maintenance bypass and output distribution within the UPS frame eliminates the need for external component connections, reducing installation costs. The Eaton Maintenance bypass is separate and must be installed and wired by an electrician.
Rackmount	Yes	Yes	Both the Xtreme Power M90S and the Eaton 9PXM 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 and the Eaton 9PXM 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 comes with a 3yr warranty. Eaton 9PXM comes with a 2yr warranty.