

# XTREME POWER CONVERSION **X90-2S** // EATON **93PM** COMPARISON

The Xtreme Power X90-2S and Eaton 93PM (100 kW frame, 93PM-100-1) are modular three-phase UPS systems designed for critical facility infrastructure. Both provide online double-conversion protection and unity power factor, but differ significantly in system architecture, footprint, battery integration, and long-term service approach.



## 100kW UPS COMPARISON

Feature	Xtreme Power X90-2S	Eaton 93PM (100 kW frame)	Engineering Impact
Capacity	100 kVA / 100 kW	100 kVA / 100 kW	Both provide full real power output
Internal Runtime	6 min @ 100 kW (internal batteries)	Not available (external battery cabinet required)	Integrated runtime within single cabinet
Maintenance Bypass	Internal (standard)	Internal (optional)	Standard inclusion vs optional configuration
System Architecture	Single-cabinet (battery + bypass integrated)	UPS + external battery cabinet	Reduced system complexity
Footprint	6.9 sq ft (23.6"W x 42"D x 79"H)	12.2 sq ft total (UPS + battery cabinet)	Approximately 2x larger footprint
Battery Design	Modular internal battery system	VRLA strings in external cabinet	Simplified architecture
Battery Service	Front-access modular replacement	String-based maintenance	Faster, lower-risk service
Display	10-inch touchscreen LCD	4.3-inch touchscreen LCD	Improved system visibility
Warranty	2-year on-site with startup	1-year standard (extensions available)	Longer standard coverage