

XTREME POWER CONVERSION X90-2S // VERTIV APM2 30kW-120kW 480V COMPARISON

The Xtreme Power X90-2S is a scalable, online double-conversion UPS designed to deliver high-efficiency protection for mission-critical systems. It supports both internal and external battery configurations and is available in sizes from 50kW to 140kW.



Feature Comparison Table

	Xtreme Power X90-2S (50–140kW)	Vertiv APM2 (30–120kW, 480V) with Lead Acid	ADVANTAGES
Capacity Range	50kW, 70kW, 100kW, 140kW	30kW, 60kW, 90kW, 120kW	Xtreme Power offers up to 140kW vs. Vertiv's 120kW
Max Internal Battery Runtime	6 minutes @ 100kW	1.5 Minutes @ 90kW	Xtreme Power provides significantly more internal runtime
Max Runtime w/ 1 Extra Battery Cabinet	15 min @ 140kW (18 min @ 120kW)	8.5 Minutes @ 120kW	Xtreme Power delivers double the runtime with 1 Extra Battery Cabinet
Footprint (UPS + Maint Bypass + Internal Batteries)	6.9 sq ft (23.6"W x 42"D x 79"H)	6.6 sq ft (23.6"W x 40.4"D x 79"H)	Nearly identical; Xtreme provides more runtime per square foot
Battery Serviceability	Modular Battery	Modular Battery	Both support modular, hot-swappable batteries
Standard Warranty	2 years on-site + factory startup	1 year on-site with factory Start-up	Xtreme Power includes 2-year warranty standard
Short Circuit Withstand Capacity	65kAIC	65kAIC	Equivalent withstand capability
Internal Maintenance Bypass	Standard	Optional	An internal maintenance bypass ensures uptime during UPS service and reduces the need for external bypass gear