

XTREME POWER CONVERSION **M90U-140** // Vertiv Liebert **APM2 208V** COMPARISON

The Xtreme Power M90U-140 and the Vertiv Liebert APM2 208 V are scalable, online double-conversion UPS systems designed for medium to large, mission-critical applications using external battery cabinets. Both platforms support modular growth and N+1 redundancy. The M90U-140 emphasizes high power density and segmented battery architecture, while the APM2 offers higher maximum expansion and multiple battery chemistry options.



140 kVA Modular UPS Comparison

Feature	Xtreme Power M90U-140	Liebert APM2 208 V	M90U-140 Advantage
Rated Capacity	Up to 140 kW (N+1)	Up to 150 kW	Higher usable N+1 capacity in a single platform
Available Power Sizes	15–140 kW	30–150 kW	Finer scaling below 30 kW
N+1 Redundancy	Up to 140 kW	Up to 120 kW	Greater N+1 headroom
Modular Architecture	Power modules and static switch modules	Power modules	Modular static switch simplifies maintenance
Battery Chemistry Options	VRLA	VRLA or lithium-ion	Simpler, standardized battery platform
Modular VRLA Battery Cabinet	M90-BC: 8 breakered strings; up to 140 kVA	Modular VRLA cabinet supports up to 120 kVA	Higher battery segmentation and capacity
Maintenance Bypass	Internal, standard	Internal, optional	No added options required
Online Efficiency	94.1%	Up to 95.7%	Comparable high-efficiency operation
UPS Cabinet Width	23.6 in	23.6 in	Equal cabinet footprint
Warranty	2-year parts standard	1-year parts	Longer standard coverage