

XTREME POWER CONVERSION **M90U-20** // Vertiv Liebert **EXSV-20KN** COMPARISON

The Xtreme Power M90U-20 and the Vertiv Liebert EXSV-20KN are three-phase, online double-conversion UPS systems designed for small to medium, mission-critical applications. Both platforms deliver unity power factor output and internal VRLA batteries with published runtime data.



20 kVA Modular UPS Comparison

Feature	Xtreme Power M90U-20	Liebert EXSV-20KN (V-Model)	M90U-20 Advantage
Rated Capacity	20 kVA / 20 kW	20 kVA / 20 kW	Equal usable power
Topology	Online double conversion	Online double conversion	Equivalent protection
Battery Architecture	Modular internal VRLA battery modules	Internal VRLA battery strings	Module-level battery design
Internal Runtime (Full Load)	11 minutes @ 20 kW (6 battery modules)	11 minutes @ 20 kW (internal batteries)	Comparable internal runtime
Capacity Upgrade Path	Upgradeable to 40 kVA / 40 kW or 60 kVA / 60 kW	Fixed capacity per UPS	Growth without UPS replacement
Efficiency (Online / ECO)	94.1% online; 98% ECO mode	93.4% online; no ECO mode	Higher efficiency operating options
UPS Cabinet Width	20.3 in (with batteries)	23.6 in (with batteries)	Higher power density
Service & Maintenance	Hot-swappable battery modules	Battery string replacement	Faster battery service
Warranty	2-year standard	1-year standard	Longer standard coverage