

# XTREME POWER CONVERSION **Li90-30k** // Vertiv **EXS-V 30 kVA** COMPARISON

The Xtreme Power Li90-30k and Vertiv EXS-V 30 kVA UPS systems provide online double-conversion protection for critical infrastructure. The Li90 platform integrates lithium battery technology within a compact cabinet to improve lifecycle performance, increase power density, and reduce long-term maintenance requirements compared with conventional VRLA-based three-phase UPS architectures.



## 30 kVA Three-Phase UPS Comparison

Feature	Xtreme Power Li90-30k	Vertiv EXS-V 30 kVA	Li90 Advantage
UPS Architecture	Lithium-integrated compact standalone UPS	Compact standalone UPS with external VRLA battery strategy	Integrated lithium modernization platform
Capacity	30 kVA / 30 kW (Unity PF)	30 kVA / 30 kW (Unity PF)	Equal usable capacity
Topology	Online double conversion	Online double conversion	Equivalent protection architecture
Battery Technology	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	VRLA (Lead-Acid)	Extended lifecycle performance
Battery Design Life	Up to 15 years	Typically, 3–5 years	Reduced replacement frequency
Internal Runtime	15 minutes	10 minutes	Greater internal runtime
Runtime Expansion	Integrated modular lithium architecture	External battery cabinets typically required	Simplified infrastructure planning
Online Efficiency	94.5 %	93.4 %	Higher operating efficiency
Cabinet Width	12.6 in	23.6 in	Higher power density
Installed Weight	483 lb	>1200 lb depending on configuration	Reduced installation burden
Installation Model	Designed for retrofit modernization	Conventional facility UPS replacement	Simplified upgrade execution