

# XTREME POWER CONVERSION **J90-1kLiD** // VERTIV **GXT5LI-1000LVRT2UXL / UXLN** COMPARISON

The Xtreme Power J90-1kLiD and Vertiv GXT5LI-1000 lithium UPS systems provide online double-conversion power protection for network and edge infrastructure. The J90 platform delivers lithium performance in a compact 1U architecture, offering higher rack density, longer battery lifecycle, reduced maintenance, and improved thermal capability compared with traditional 2U lithium UPS designs.



## 1kVA Lithium Rack UPS Feature Comparison

Feature	Xtreme Power J90-1kLiD	Vertiv GXT5LI-1000LVRT2UXL / UXLN	J90 Advantage
UPS Topology	Online Double Conversion	Online Double Conversion	Equivalent protection
Battery Chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	Equivalent chemistry
Battery Cycle Life	3,000–5,000 cycles	2,000 cycles	Reduced battery replacement
Battery Service Life	Up to 15 years	Typically 8–10 years	Longer lifecycle
Rack Height	1U	2U	Higher rack power density
Extended Runtime	1U lithium battery modules	1U lithium battery modules	Equivalent scalability with higher density
System Weight	26.8 lb	37 lb	Easier installation
Operating Temperature	Up to 50°C	40°C	Better thermal resilience
Output Control	Switched receptacles	Standard receptacles	Improved load management
Maintenance	Minimal battery replacement	Periodic replacement	Lower lifecycle cost
Warranty	6-year UPS & battery	5-year typical	Longer coverage