

XTREME POWER CONVERSION J90-2kLiD // VERTIV GXT5LI-2000LVRT2UXL / UXLN COMPARISON

The Xtreme Power J90-2kLiD and Vertiv GXT5LI-2000 lithium UPS systems provide online double-conversion protection for servers, networking equipment, and distributed edge infrastructure. The J90 platform delivers lithium performance in a compact 1U architecture, enabling higher rack density, extended lifecycle performance, reduced maintenance requirements, and improved thermal capability compared with traditional 2U lithium UPS platforms.



2kVA Lithium Rack UPS Feature Comparison

| Feature | Xtreme Power J90-2kLiD | Vertiv GXT5LI-2000LVRT2UXL / UXLN | J90 Advantage |
|-----------------------|---|---|--|
| UPS Topology | Online Double Conversion | Online Double Conversion | Equivalent protection |
| Battery Chemistry | Lithium Iron Phosphate (LiFePO ₄) | Lithium Iron Phosphate (LiFePO ₄) | 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 | 27.7 lb | 44 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 |