

XTREME POWER CONVERSION **Ai90** // VERTIV LIEBERT **GXT5-20KIRT9UXLN** COMPARISON

The Xtreme Power Ai90 is a modular, rack-integrated UPS designed to deliver centralized power protection within high-density 400/230V environments. The Vertiv Liebert GXT5-20KIRT9UXLN is a 20kW rack UPS typically deployed at the individual load level, often requiring external bypass and additional system components.



400/230V UPS Comparison

Feature	Xtreme Power Ai90	Vertiv Liebert GXT5-20KIRT9UXLN	Advantage
Architecture	Integrated rack UPS system	Standalone rack UPS	Fully integrated system design
Deployment Model	Centralized per rack or row	Distributed per load	Reduced system complexity
Capacity	50kW or 60kW	20kW	Higher system capacity
Scalability	Modular within system	Add additional UPS units	Unified scalability
Voltage	400/230V (3-phase + N)	400/230V (3-phase + N)	Equivalent
Footprint	13U fully integrated	13U with UPS + Bypass	No external components required
Power Density	>4.6kW per U	>1.5kW per U	Higher density deployment
Efficiency	96.5%	95%	Higher operating efficiency
Battery System	Internal modular	Internal VRLA	Centralized battery architecture
Runtime @ 20kW	15 minutes	4 minutes	Longer standard runtime
Maintenance Bypass	Integrated	External required	No additional hardware
Maintenance Bypass	Integrated	Integrated	Equivalent functionality
Installation	Rack deployment	Floor-standing	Faster deployment