XTREME POWER CONVERSION **J90i-3kLiD UPS** // APC **Smart-UPS Ultra 3000VA** COMPARISON

A compact 1U UPS is ideal for edge, IT, and network deployments, but the Xtreme Power J90i-3kLiD goes significantly further in battery life, temperature resilience, receptacle control.

3kVA 208/230V UPS COMPARISON

Feature	Xtreme Power J90i-3kLiD	APC SRTL3KRM1UWC	J90i ADVANTAGES
Battery Chemistry	Lithium Iron Phosphate ($LiFePO_4$) with integrated BMS	Lithium-ion (unspecified chemistry)	Safer, cooler-running chemistry with 15-year design life or 3,000–5,000 cycles, ideal for long-term deployments
Capacity	3000VA/2700W	3000VA/3000W	Comparable power class; J90 optimized for high-temp and long-life environments
Efficiency (Online)	94.5% at Full Load	92.7% full load	J90i UPS Lower heat, lower operating cost
Outlet Control	Individually controllable (with Web/SNMP Card)	Not controllable	J90i provides remote reboot to eliminate truck rolls
Dimensions & Weight	17.2" x 22.8" x 1.7" / 35.2 lbs	17.2" x 22" x 1.7" / 35 lbs	Nearly identical size and weight
High Temperature Operation	Up to 50°C (122°F)	Up to 40°C (104°F)	Operates reliably in hot telecom/edge spaces, reducing need for extra cooling
Battery Recharge time	~1 hour	~1.5 hours	J90i provides faster recovery after outages, critical for unstable power environments
Battery Life	Up to 15 years or 3000-5000 discharge cycles	8-10 years	Lower total cost of ownership with fewer (or zero) battery replacements
Ambient Temperature	50C (122F)	40C (104F)	J90i maintains full performance in marginally cooled or unconditioned spaces
Warranty	6 year full warranty (USA & Canada)	5 years	Provides the longest warranty in its class