XTREME POWER CONVERSION **J90-3kLiD UPS** // APC **Smart-UPS Ultra 3000VA** COMPARISON

A compact 1U UPS is ideal for edge, IT, and network deployments. Xtreme Power J90-3kLiD delivers longer battery life, better high-temperature resilience, stronger controllability, and full TAA compliance, giving it a clear advantage in mission-critical environments.

3kVA 120V Comparison

Feature	Xtreme Power J90-3kLiD	APC SRTL3KRM1UC	J90 Advantage
Battery Chemistry	Lithium Iron Phosphate ($LiFePO_4$) with integrated BMS	Lithium-ion (unspecified chemistry)	Safer LFP with 15-year design life or 3,000–5,000 cycles
Capacity	3000VA/2700W	3000VA/2880W	Comparable; J90 optimized for high-temp, long-life sites
Form Factor / Mounting	1U, Rack-mount or wall mount	1U, Rack-mount or wall mount	Same mounting options for simple plug-and-play installation
Efficiency	94.5% at full load	93.2% at full load	Lower heat generated and reduced operating cost
Output Receptacle	Individually controllable (with Web/SNMP Card)	Not controllable	J90 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 footprint
High Temperature Operation	Up to 50°C (122°F)	Up to 40°C (104°F)	Reliable in hot telecom/edge spaces without extra cooling
Battery Recharge time	~1 hour	~1.5 hours	Faster recovery after outages—ideal for unstable power
TAA	TAA-compliant (COO Taiwan)	Not TAA-compliant (COO Philippines)	Fully meets federal procurement requirementsceptions
Battery Life	Up to 15 years or 3000-5000 cycles	8-10 years	Lower lifetime cost with fewer battery replacements
Ambient Temperature	50C (122F)	40C (104F)	Full performance in limited-cooling or unconditioned spaces
Warranty	6 year full warranty (USA & Canada)	5 years	Longest warranty in its class, covers electronics and battery