XTREME POWER CONVERSION **J90-2kLiD** // APC **Smart-UPS Ultra 2200VA** COMPARISON

A compact 1U online UPS is ideal for edge, IT, and network deployments. The Xtreme Power J90-2kLiD delivers longer battery life, superior high-temperature resilience, advanced outlet controllability, and full TAA compliance—making it better suited for mission-critical and federally regulated environments.

2kVA 120V Comparison

Feature	Xtreme Power J90-2kLiD	APC SRTL2K2RM1UC	J90 Advantage
Battery Chemistry	Lithium Iron Phosphate ($LiFePO_4$) with integrated BMS	Lithium-ion (unspecified chemistry)	Safer LFP chemistry with longer service life
Capacity (at 120V)	2000 VA/1800 W	2200 VA / 1870 W @ 120 V (1950 W only at 125 V)	Comparable usable power at nominal voltage
Form Factor / Mounting	1U rack-mount or wall-mount	1U rack-mount or wall-mount	Equal deployment flexibility
Output Receptacle	Individually controllable (with Web/SNMP Card)	Not individually controllable	Remote reboot reduces 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 operation in hot edge and IDF spaces
Battery Recharge time	~1 hour	~1.5 hours	Faster recovery after outages—ideal for unstable power
TAA	Yes – COO Taiwan	No – 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 without supplemental cooling
Warranty	6 year full warranty (USA & Canada)	5-year limited	Longest warranty in its class, covers electronics and battery