

XTREME POWER CONVERSION **J90i-2kLiD** // APC **Smart-UPS Ultra 2200VA 208/230V** COMPARISON

A compact 1U online UPS is ideal for edge IT, network, and distributed infrastructure deployments. The Xtreme Power J90i-2kLiD delivers extended lithium battery life, superior high-temperature operation, advanced outlet controllability, and full TAA compliance—making it a stronger fit for mission-critical and federally regulated environments.



2kVA 208/230V Comparison

Feature	Xtreme Power J90i-2kLiD	APC SRTL2K2RM1UWC	J90i 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 (at 120V)	2000VA/1800W	2200VA/2200W	Comparable real-world sizing; J90i optimized for longevity and thermal resilience
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 outlet 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, telecom, and IDF environments
Battery Recharge time	~1 hour	~1.5 hours	Faster recovery after outages
TAA Compliance	Yes – COO Taiwan	No – COO Philippines	Meets federal and public-sector procurement requirements
Battery Life	Up to 15 years or 3000-5000 cycles	8-10 years	Lower total cost of ownership
Ambient Operating Temperature	50 °C (122 °F)	40 °C (104 °F)	Full performance without supplemental cooling
Warranty	6 year full warranty (USA & Canada)	5 years	Longest warranty in its class, covers electronics and battery