

## XTREME POWER CONVERSION **J90-2kLiD** // APC **SMT2200RM2U** COMPARISON

A compact 1U lithium UPS is ideal for edge IT, telecom rooms, and network infrastructure operating at 120 V. The Xtreme Power J90-2kLiD delivers true online double-conversion protection with long-life LiFePO<sub>4</sub> batteries, fast recharge capability, and high-temperature operation.

The APC SMT2200RM2U (including SMT2200RM2UC SmartConnect models) is a widely deployed line-interactive UPS using traditional VRLA batteries in a larger 2U rack design.



### 2200VA 120V Rackmount UPS Comparison

Feature	Xtreme Power J90-2kLiD	APC SMT2200RM2U	J90 Advantage
UPS Topology	Online double-conversion	Line-interactive	Continuous conditioned power
Battery Chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	VRLA lead-acid	Longer service life
Battery Life	Up to 15 years / 3,000–5,000 cycles	3–5 years typical	Fewer replacements
Capacity	2000 VA / 1800 W	2200 VA / 1980 W	Comparable real-world sizing
Efficiency	92%	90%	Lower heat and operating cost
Battery Runtime	6 min @ 1800 W	5 min @ 1980 W	Comparable runtime
Recharge Time	1 hour	3 hours	Faster recovery
Outlet Control	Individually controllable (Web/SNMP)	Load segments	Remote reboot capability
Rack Height	1U	2U	Higher rack density
Operating Temperature	50 °C (122 °F)	40 °C (104 °F)	Better for hot environments
TAA Compliance	Yes	No	Federal procurement eligible
Warranty	6-year UPS & battery	3-year limited	Longer coverage