

XTREME POWER CONVERSION P91-3kLi // APC SMART-UPS SMTL3000RM2UCNC COMPARISON

The Xtreme Power P91-3kLi and APC Smart-UPS SMTL-3000RM2UCNC are rackmount UPS systems designed to protect servers, networking equipment, and distributed IT infrastructure. The P91-3kLi provides a modern lithium online UPS platform with longer runtime, reduced maintenance requirements, lighter system weight, and improved performance in high-temperature edge environments.



3kVA Rackmount UPS Feature Comparison

Feature	Xtreme Power P91-3kLi	APC SMTL3000RM2UCNC	P91 Advantage
Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)	Lithium-ion	Longer lifecycle, improved safety
Battery Life Expectancy	Up to 15 years / 3,000–5,000 cycles	8–10 years typical	Significantly longer service life
UPS Topology	Online double conversion	Line-interactive	Zero transfer time
Capacity (VA / Watts)	3000 VA / 2700 W	3000 VA / 2700 W	Full rated real power
High-Temperature Operation	Up to 50 °C (122 °F)	Rated to 40 °C (104 °F)	Better for hot environments
Battery Recharge Time	1.5 hours to 90%	3 hours typical	Faster recovery
Runtime @ Full Load	10 minutes	5 minutes 18 seconds	Nearly double runtime
Rack Height / Depth	2U / 23.8"	2U / 26.9"	Shorter rack depth
System Weight	45 lb	75 lb	Significantly lighter
Network / Management	Optional Web/SNMP	Integrated network	APC includes network
TAA Compliance	Yes	No	Federal procurement eligible
Warranty	6-year UPS & battery	3-year typical	Longer lifecycle coverage