

XTREME POWER CONVERSION P91-1.5kLi // SCHNEIDER APC SMTL1500RM3UCNC COMPARISON

The Xtreme Power P91-1.5kLi is a true online double-conversion UPS with long-life LiFePO₄ batteries, engineered for mission-critical environments and higher thermal tolerance. The APC SMTL1500RM3UCNC is a line-interactive lithium-ion UPS designed for general IT and network protection with integrated management.



1.5kVA UPS COMPARISON

Feature	Xtreme Power P91-1.5kLi	APC SMTL1500RM3UCNC	Advantage
Battery Chemistry	LiFePO ₄ (Lithium Iron Phosphate)	Li-ion (Lithium-ion)	LiFePO ₄ offers longer cycle life and improved thermal stability.
Battery Life	Up to 15 years / 3,000–5,000 cycles	8–10 years typical	Significantly longer battery life expectation.
UPS Topology	Online double conversion	Line-interactive	Zero transfer time on P91-1.5kLi.
VA / Watt Capacity	1500 VA / 1350 W	1500 VA / 1350 W	Same usable output power.
High-Temperature Performance	Operates to 50 °C (122 °F), derates above 40 °C	Rated to 40 °C (104 °F)	Better performance in high heat.
Battery Recharge Time	1.5 hours to 90%	2 hours to 90%	Faster recovery on P91.
Battery Runtime (Full Load)	7 minutes	5 minutes 6 seconds	Longer runtime at full load for P91.
Rack Height / Depth	2U / 16.1 in	3U / 11.9 in	Higher usable power per rack unit for P91.
Network / Management Card	Optional – Part Number: SNMP-2PV3	Standard	APC includes management out-of-box; P91 offers SNMP as an optional part.
TAA Compliance	Yes	No	Only P91 is eligible for U.S. government procurement.
Warranty	6-year UPS & battery	5-year UPS & battery	Longer standard lifecycle coverage on P91.