

XTREME POWER CONVERSION P91-1kLi // SCHNEIDER APC SMTL1000RM2UCNC COMPARISON

The Xtreme Power P91-1kLi is a high-performance online double-conversion UPS powered by long-life Lithium Iron Phosphate (LiFePO₄) batteries, delivering zero-transfer-time power, high-temperature operation, and extended lifecycle performance. The APC SMTL1000RM2UCNC is a line-interactive lithium-ion UPS designed for lighter-duty IT and network protection.



1kVA UPS COMPARISON

Feature	Xtreme Power P91-1kLi	APC SMTL1000RM2UCNC	P91-1kLi Advantage
Availability	June 2026	Current production	Next-generation platform with extended lifecycle design.
Battery Chemistry	LiFePO ₄ (Lithium Iron Phosphate)	Li-ion (Lithium-ion)	Longer cycle life and improved thermal stability.
Battery Life	Up to 15 years / 3,000–5,000 cycles	8–10 years typical	Significantly longer expected service life.
UPS Topology	Online double conversion	Line-interactive	Zero transfer time and superior power conditioning.
Capacity (VA / W)	1000 VA / 900 W	1000 VA / 800 W	Higher usable real-power output.
High-Temperature Performance	Operates up to 50 °C (122 °F), derates above 40 °C	Rated to 40 °C (104 °F)	Better suited for edge and light-industrial environments.
Battery Runtime (Full Load)	6 minutes 36 seconds @ 900 W	7 minutes 47 seconds @ 800 W	P91 supports a higher real load.
Rack Height / Depth	2U / 11.6 in	2U / 12.5 in	Shallower depth simplifies cabinet installs.
Form Factor / Mounting	Rack / tower / wall	Rack / tower	Greater installation flexibility.
Network / Management Card	Optional – SNMP-2PV3	Standard	APC includes management; P91 offers modular flexibility.
TAA Compliance	Yes	No	Eligible for U.S. federal and regulated procurement.
Warranty	6-year UPS & battery	5-year UPS & battery	Industry-leading standard coverage



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