

XTREME POWER CONVERSION P91-6K // EATON 9PX6KG2 COMPARISON

The Xtreme Power Conversion P91-6K (paired with the BPXR2U240A battery pack) and the Eaton 9PX6KG2 are online, double-conversion UPS systems designed for mission-critical IT and infrastructure loads. Both occupy a similar performance tier; however, the Xtreme configuration prioritizes extended runtime and TAA compliance, while the Eaton emphasizes a compact integrated design with reduced usable watt capacity.



UPS COMPARISON

Feature	XTREME POWER P91-6K + BPXR2U240A	EATON 9PX6KG2	Notes
UPS Capacity	6kVA / 6kW (unity PF)	6kVA / 5.4kW	P91 delivers higher usable watt output.
Topology	Online Double Conversion	Online Double Conversion	Premium protection on both.
System Runtime (Full Load)	~5 minutes @ 6kW	~3 minutes @ 5.4kW	Xtreme configured for longer runtime.
Optional External Battery Packs	Yes, BPXR 2U or 3U for longer runtimes	Yes	Both support runtime expansion.
Input & Output Connections	Hardwired or optional XBDM with L6-30P line cord and receptacle options	Hardwired or L6-30P; (2) L6-30R + (2) L6-20R	Xtreme offers modular distribution flexibility.
Rack Height / Dimensions	4U total (2U UPS + 2U battery)	3U total	Eaton is more compact; Xtreme trades space for runtime.
Form Factor	Rack / Tower	Rack / Tower	Both support flexible mounting.
Warranty	3 Years Electronics / 3 Years Batteries	3 Year Limited Warranty	Comparable coverage.
Compliance / Listings	UL1778, cUL, FCC, CE, RoHS, TAA	UL1778, cULus, IEC 62040-2, RoHS	Xtreme adds TAA compliance.
TAA Compliance	Yes	No	Key differentiator for federal procurement.