

XTREME POWER CONVERSION **M90S-12S** // ROSEWATER **ENERGY HUB20** COMPARISON

The Xtreme Power Conversion M90S-12S and the RoseWater Energy HUB20 are high-capacity UPS solutions designed for residential, commercial, and specialty power applications. The M90S-12S uses a true modular UPS architecture with scalable power and battery modules, while the HUB20 is a fixed-capacity system built as a single enclosure requiring traditional rigging and installation methods.



UPS Comparison

Feature	XTREME POWER M90S-12S	RoseWater Energy HUB20	M90S Advantage
Modular Construction	6, 12, 18, 24, 30, 36, 42, or 48 kW	20 kW fixed	Scales from 6–48 kW using hot-swappable power and battery modules, allowing capacity and redundancy to be tailored over time
Rectifier Rating	Fully rated for system load	9.6 kW	Supports full load without relying on batteries, reducing unnecessary discharge cycles and extending battery life
Universal Slots	Yes – power or battery modules	No	Slots accept either power or battery modules, simplifying upgrades and enabling flexible system configurations
Efficiency	Up to 98% (ECO), 94% online	~89% (calculated)	Higher efficiency reduces energy consumption, heat output, and cooling requirements
Dimensions (UPS w/ batteries)	23.6" W × 36.0" D × 79.1" H (5.9 sq ft)	28.1" W × 26.25" D × 84" H (5.1 sq ft)	Delivers more than twice the usable capacity in a comparable footprint, without increasing floor space
Voltage Options	120/240 V or 120/208 V (2P, N, G)	120/240 V only	Supports both common split-phase voltages, increasing compatibility across applications
LCD Display	Chassis + module-level LCDs	Chassis-level LCD	Additional module-level displays provide clearer system visibility and faster troubleshooting
Rigging & Installation	Casters; modular field assembly	Rigging required	Ships in manageable sections with casters, simplifying transport, positioning, and on-site installation
Certifications & Compliance	UL, cUL, TAA Compliant	UL, cUL (TAA varies by configuration)	Clear positioning for regulated markets
Warranty Coverage	3 years (electronics & batteries)	3-year onsite warranty	Onsite service optional with Xtreme