

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 x 36.0" D x 79.1" H (5.9 sq ft) | 28.1" W x 26.25" D x 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 |



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