

XTREME POWER CONVERSION **M90U-20** // Mitsubishi **DiamondPlus 1100A** COMPARISON

The Xtreme Power M90U-20 and the Mitsubishi DiamondPlus 1100A are three-phase, modular online double-conversion UPS systems designed for small to medium, mission-critical applications. Both platforms provide high-quality power protection using online topology. The comparison below highlights differences in usable power output, scalability, internal runtime capability, efficiency modes, and standard features.



20 kVA Modular UPS Comparison

Feature	Xtreme Power M90U-20	DiamondPlus 1100A	M90U-20 Advantage
Rated Capacity	20 kVA / 20 kW	20 kVA / 18 kW	Higher usable power (unity power factor)
Topology	Online double conversion	Online double conversion	Equivalent premium protection
Scalability (Internal)	Scales up to 60 kVA / 60 kW	Limited to 20 kVA / 18 kW with internal batteries	Greater growth capability in same platform
Modular Architecture	Power modules and battery modules	Power modules	Modular batteries enable flexible runtime scaling
Efficiency (Online / ECO)	94.1% online; up to 98% ECO mode	Up to 93% online; no ECO mode	Higher efficiency operating options
Internal Runtime	Up to 26 minutes @ 20 kW	Up to 5 minutes @ 18 kW	Significantly longer internal runtime
Maintenance Bypass	Internal, standard	External, optional	No additional hardware required
User Interface	LCD display	LCD touchscreen	Larger display with clear system views
Warranty	2-year standard	1-year standard	Longer standard coverage