

XTREME POWER CONVERSION **M90** // LIEBERT **EXM** COMPARISON

The M90 is a scalable modular online double conversion UPS that efficiently protects critical data and equipment from power problems. M90 products are available in capacities from 20KVA to 60KVA with internal or external battery options.



60KVA/480V UPS COMPARISON

	XTREME POWER M90-60kVA	Liebert EXM 480V	ADVANTAGES
Capacity	60KVA/54KW	100KVA/100KW	Both Xtreme Power M90 and Liebert EXM have plenty of available power for the 47.77KW Wyoming project load requirements.
Topology	Online double conversion	Online double conversion	Both the Xtreme Power M90 and the Liebert EXM offer online topology, providing the highest degree of power protection.
Modularity	20KVA to 60KVA in 20KVA increments	50KVA to 200KVA in 50KVA increments	Both Xtreme Power M90 and Liebert EXM have modular chassis construction making it easy to add modules for capacity or redundancy, increasing capability without increasing footprint. M90 is scalable to 60KVA, while Liebert EXM must use 100KVA to fit the Wyoming application.
Energy Star	Yes	Yes	Both Xtreme Power M90 and Liebert EXM are Energy Star qualified, providing industry leading efficiency.
Internal Runtime	Yes	Not Available	Xtreme Power M90 provides 9 minutes internal battery runtime @ the project 47.77KW load. Liebert does not offer internal batteries, and requires an extra battery cabinet, increasing footprint..
Maintenance Bypass	Standard	Optional	Xtreme Power M90 has a standard internal Maintenance Bypass Switch, allowing for service of the UPS without disconnecting the loads. The Liebert EXM requires an optional external MBP for this purpose.
Footprint	20"W x 56"H x 39"D + transformers	66.5"W x 78.7"H x 39.1"D	Xtreme Power M90 has a much smaller footprint. Even with the addition of the (2) 480D/208Y120 transformers, 18"W x 48"H x 9"D ea. Xtreme Power footprint is smaller.
Warranty	2 years	1 year	Xtreme Power M90 offers a 2 year parts warranty with optional On-Site services available. Liebert offers a standard 1 year warranty.