

XTREME POWER CONVERSION **M90S-6S** // Vertiv **APS** COMPARISON

The M90S-6S is a scalable modular online double conversion single phase UPS that protects critical data and equipment with industry leading reliability, efficiency, and flexibility. M90S-6S products are available in capacities from 6KVA to 24KVA with internal or external battery options.



18KW UPS COMPARISON

	XTREME POWER M90S-18KVA	Vertiv APS 20KVA	ADVANTAGES
UPS Capacity	18KVA/18KW	20KVA/18KW	M90S-6S delivers 18 kW at Unity Power Factor (PF) for optimal modern server loads, while APS provides only 0.9 PF.
Online Topology	Online double conversion	Online double conversion	Both M90S-6S and APS use double-conversion for the highest level of power protection.
Modular & Scalable	6KVA to 24KVA in 6KVA increments	5KVA to 20KVA in 5KVA increments	Both offer chassis-based expansion; M90S-6S scales to 24KVA/24KW, while APS is limited to 20KVA/18KW.
Energy Efficiency	Up to 98% ECO Mode 93% Online Mode	Up to 98% in ECO mode 91% Online Mode	M90S-6S has higher efficiency with standard ECO Mode and On-Line Mode operation, reducing energy consumption and heat output.
Longer Runtime	Up to 9 minutes @ 18KW	Up to 5 minutes @ 18KW	M90S-6S provides much longer runtime with internal batteries.
Maintenance Bypass	Standard	Standard	M90S-6S has a built-in internal bypass switch, whereas APS needs an external maintenance bypass increasing cost.
Rack Compatibility	Yes	No	Both systems have versions compatible with most standard 19" racks.
User Interface	LCD	LCD	Both models feature an intuitive LCD graphical display.
Warranty Coverage	3yr repair or replace	2yr repair or replace	M90S-6S provides a 3-year warranty, while APS offers 2 years.