

**The M50X packs 50KVA at 0.9 power factor in just 4U. The state of the art modular design ensures a very reliable UPS system with extremely quick service to avoid downtime.**

With a large 10.4" touch, LCD colour display for the UPS and individual LCD display for each power module, the M25X gives you full control over your UPS. Along with quick serviceability, the high efficiency of the UPS greatly reduces OPEX for your systems.



- 50KVA/45KW in 4U gives you more power in less density resulting in an unprecedented low footprint. 500kVA in one cabinet, footprint less than 1.45m<sup>2</sup>.
- Reduce TCO (total cost of ownership) with the UPSs scalable design. 100, 200, 300, 500KVA chassis available. No need to purchase more UPSs for higher power requirements.
- True hot-swap modular design enables replacement on power modules in less than a minute with no downtime.
- Each power module has its own status LED and information LCD which helps in quicker trouble shooting.
- Battery cold start function allows the UPS to be started without any utility power.
- Advanced engineering guarantees high efficiency operating in double conversion mode up to 96%, saving you OPEX.
- The UPS can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency.
- 10.4" touch screen LCD allows in-depth power quality analysis, measurements, settings and fault correction.
- Shield network monitoring system enables the UPS to be monitored remotely. Various alerts and traps can be set on a range of events.
- Shield ensures in-depth technician training globally which increases service response and reduces downtime for your critical systems.
- Plan for both internal and N+1 redundancy. The UPS can easily be integrated with another unit to provide N+1-3 redundancy.
- You can also add up to 3 UPSs in parallel to obtain up to 1500KVA.

## Specification sheet

System capacity	100kVA/90kW	200kVA/180kW	300kVA/270kW	500kVA/450kW
Power module capacity	50KVA/45KW			
Total module capacity	2	4	6	10
<b>Input</b>				
Input type	3P+N+PE			
Input voltage	380/400/415VAC (line-line)			
Input frequency	50/60Hz			
Input voltage range	304~478Vac (line-line),full load; 304-228Vac, load derated linearly			
Input frequency range	40Hz~70Hz			
Input PF	>0.99			
Input THDi	<3% (100% Linear load)			
<b>Output</b>				
Output voltage	380/400/415VAC (line-line)			
Output frequency	50/60Hz			
Voltage regulation	1.5%			
Output PF	0.9			
Output THDu	<1% , Linear load; <5.5%, Non-linear load			
Overload capacity	110%,1 hour; 125%,10 mins; 150%,1min; >150%, 200ms			
<b>Battery</b>				
Voltage	±240VDC			
Charging accuracy	±1%			
Charging capacity	up to 20% * Output Power			
<b>Efficiency</b>				
AC mode	>96.0%			
Battery mode	>96.0%			
<b>System</b>				
Display	10.4" Color touch screen LCD + LED + Keyboard			
Interface	Standard: RS232, RS485, USB, Dry contacts(programmable); Optional: SNMP, AS400, Parallel kit, Battery cold start (standard for 250kVA and above), Lightning protection components, Dust filter, LBS			
<b>Environment</b>				
Operation temperature	0 ~ 40 °C			
Storage temperature	-40 ~70 °C			
Relative humidity	0 ~ 95% Non Condensing			
Noise (1 meter)	72dB @ 100% load, 69dB @ 45% load			
<b>Physical data</b>				
Module dimension	510*700*178 mm			
Module weight	45kg			
Cabinet dimension	600*980*1150	650*960*1600	650*970*2000	1300*1100*2000
Cabinet weight (kg)	120	170	220	450
Protection Level, (IEC60529)	IP20			