MTW Series

50–600kVA Modular UPS
50kVA Power Module



Power range

50~600kVA

Operation

3P/3P,Online double conversion

Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristics



- Fully digital control, flexible and robust.
- 7/10 inch touch LCD, with IoT functions.
- High reliability and environmental adaptability, with protection of components level.
- Supports battery connection without Neutral.
- Minimal footprint, standard width of 600mm, depth of all models only 750mm.

Model		MTW200/50X1	MTW300/50X1	MTW400/50X1	MTW500/50X1	MTW600/50X1
Rate Power		200kVA	300kVA	400kVA	500kVA	600kVA
Main input	Input	3P5W (3P+N+PE)				
	Rate Voltage	380/400/415 VAC (L-L); 220/230/240 VAC (L-N)				
	Rate Freq.	50/60Hz				
	Input PF	>0.99				
	Current distortion	THDi < 2%				
	Voltage range	304 ~ 478 VAC (L-L) full load; 304 ~ 228 VAC (L-L) power derate from 100% to 50%				
	Freq. range	40-70Hz				
Battery	Rate voltage	±240 VDC (default 40 PCS,30-50 PCS, selceted)				
	Charging capacity	Max. 20%*Pout				
	Charging accuracy	±1%				
Bypass	Rate voltage	380/400/415 VAC (L-L); 220/230/240 VAC (L-N)				
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15% ;				
	Overload	<110%, long time operation 110%< load<125%, 10 mins 125%<load<150%,1 min				
Inverter	Rate voltage	380/400/415 VAC (L-L);220/230/240 VAC (L-N)				
	Rate Freq.	50/60Hz				
	Output PF	1				
	Voltage accuracy	±1.0%				
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)				
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min ; >150%,200ms				
	Frequency accuracy	0.1%				
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz				
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S				
	Crest factor	3:1				
	Phase Accuracy	120°±0.5°				
System	Efficiency	Up to 96.5%				
	Display	LED + 7 inch touch LCD	LED + 10 inch touch LCD			
	Certification- Safety	IEC62040-1, IEC60950-1				
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD) ; IEC61000-4-3(RS) ; IEC61000-4-4 (EFT) ; IEC61000-4-5 (Surge)				
	Certification- Pref.	IEC62040-3				
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter				
	Option	SNMP card, AS400 card, Parallel kit, SPD, Top air outlet				
	Environment	0-40 °C (operation); -25° C ~70 °C (storage); 0-95% (Humidity, non-condensing)				
	Noise(dB)(1 meter)	72dB @ 100% load, 69dB @ 45% load				
Dimension	Cabinet(W*D*H)mm	600*750*1600	600*750*2000	600*1000*2000	1200*850*2000	
	Module(W*D*H)mm	440*475*140				
Weight(kg)	Cabinet	170	220	320	450	
	Module	23				
Power Module rated capacity		50KW				