MTW Series

100–1200kVA Modular UPS
100kVA Power Module



Power range

100~1200kVA

Operation

3P/3P,Online double conversion

Applications

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

Characteristics



- Fully digital control, flexible and robust.
- 10 inch touch LCD, with IoT functions.
- High reliability and environmental adaptability, with protection of components level.
- Supports battery connection without Neutral.
- Maximum capacity of up to 3.2MW, the ideal choice for large data centers.

Model		MTW600/100X1	MTW800/100X1	MTW1000/100X1	MTW1200/100X1
Rate Power		600kVA	800kVA	1000kVA	1200kVA
Main input	Input	3P5W (3P+N+PE)			
	Rate Voltage	380/400/415 VAC (L-L)			
	Rate Freq.	50/60 Hz			
	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	3 wires: ±240 VDC / 2 wires: 480 VDC			
	Charging capacity	Max. 15%*Pout			
	Charging accuracy	±1%			
Bypass	Rate voltage	380/400/415 VAC (L-L)			
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15% ;			
	Overload	110%, long time operation 110%< load<125%, 10 mins 125%<load<150%,1 min >150%,1s			
Inverter	Rate voltage	380/400/415 VAC (L-L)			
	Rate Freq.	50/60Hz			
	Output PF	1			
	Voltage accuracy	±1.0%			
	Output THDu	<1% (linear load), <3% (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 97%			
	Display	LED + 10 inch touch LCD			
	Certification- Safety	IEC62040-1, IEC60950-1			
	Certification- EMS	EC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)			
	IPdegree	IP20			
	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, 68dB @ 45% load			
Dimension	Cabinet(W*D*H) mm	800*1000*2000		1200*1100*2000	
	Module(W*D*H) mm	475*705*140			
Weight(kg)	Cabinet	380	390	624	
	Module	47			
Power Module rated capacity		100KW			