MTW Series

30–150kVA Modular UPS

Internal 7/9Ah modular battery strips



Power range

30~150kVA

Operation

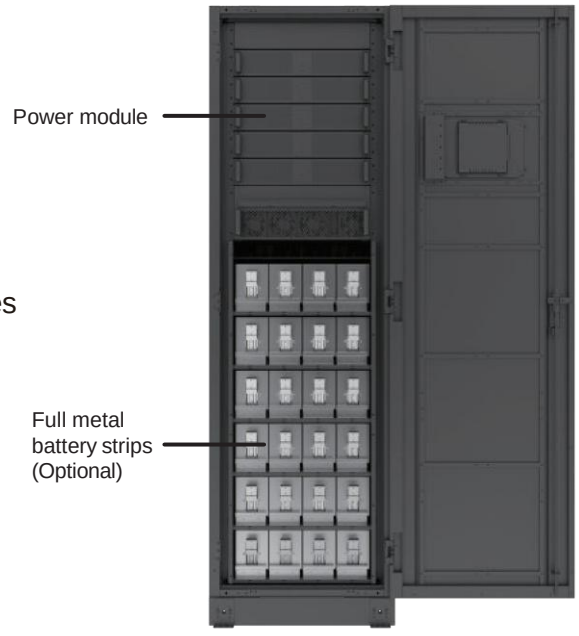
3P/3P, Online double conversion

Applications

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

Characteristics

- 10 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environmental adaptability.
- Optional full metal battery strips, with internal batteries capable of configuring up to 24 pcs battery strips.
- Standard configuration for mains input/output, maintenance bypass, battery breaker.



Model		MTW90/30X1	MTW150/30X1
Rate Power		90kVA	150kVA
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 < 3%	
	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	
	Model	UPS with internal batteries,12 VDC /7~9Ah	
	Quantity	Battery strips	
	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% ;	
	Frequency range	50/60Hz Settable ±1Hz ±3Hz ±5Hz 380/400/415	
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 0.5 Hz/S	
	Crest factor	3:1	
	Phase Accuracy	120°±0.5°	
System	Efficiency	up to 96%	
	Display	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)	
	IP degree	IP20	
	Configuration	USB, RS232, RS485, Dry contact, Air filter	
	Option	SNMP card, AS400 card, Parallel kit, Cold start	
	Environment	0-40 °C (operation); -25° C ~70 °C (storage); 0-95% (Humidity, non-condensing)	
Dimension	Cabinet (W*D*H) mm	600*1000*2000	
	Module(W*D*H) mm	440*678*86 (2U)	
Weight(kg)	Cabinet (No include batteries)	260	280
	Module	23	
Power module rated capacity		30KW	