TCT Series

10–200kVA 3-phase Tower UPS

Internal 7/9Ah modular battery strips



Power range

10~200kVA

Operation

3P/3P, 3P/1P,1P/1P,Online double conversion

Applications

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

Characteristics

- 7 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 20 pcs battery strips.



Full metal battery strips (Optional)

Model		TCT10EB-80NBS	TCT20EB-80NBS	TCT30EB-80NBS	TCT40EB-160NBS
Rate Power		10kVA	20kVA	30kVA	40kVA
Main input	Input	3P5W (3P+N+PE)			
	Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
	Rate Freq.	50/60Hz			
	Input PF	>0.99			
	Current distortion	THDi<2%			
	Voltage range	304~478VAC (L-L) full load; 304~228VAC (L-L) power derate from 100% to 50%			
	Freq. range	40-70Hz			
Battery	Rate voltage	±120VDC	±240VDC		
	Model	UPS with internal batteries, 12VDC/7~9Ah			
	Quantity	80pcs	80pcs	80pcs	160pcs
	Charging capacity	Max. 50%*Pout			Max. 20%*Pout
	Charging accuracy	±1%			
Bypass	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%			
	Frequency range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz			
Inverter	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
	Rate Freq.	50/60Hz			
	Output PF	1			
	Voltage accuracy	±1.0%			
	Output THDu	<1% (linear load), <5% (non-linear load)			
	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 97%			Up to 96.8%
	Display	LED + 7 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, Cold start			
	Option	SNMP card, AS400 card, Parallel kit			
	Environment	0-40 °C (operation); -25° C ~70 °C (storage); 0-95% (Humidity, non-condensing)			
Dimension (W*D*H) mm		400*861*783			500*800*1350
Weight(kg)	Internal BAT (No include batteries)	67	68	70	87

Model		TCT60EB-160NBS	TCT100EB-200NBS	
Rate Power		60kVA	100kVA	
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		
	Model	UPS with internal batteries, 12 VDC /7~9Ah		
	Quantity	160pcs	200pcs	
	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		
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)		
	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 96.8%		
	Display	LED + 7 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, Cold start		
	Option	SNMP card, AS400 card, Parallel kit		
	Environment	0-40 °C (operation); -25° C ~70 °C (storage); 0-95% (Humidity, non-condensing)		
Dimension (W*D*H) mm		500*800*1350	500*950*1750	
Weight(kg)	Internal BAT (No include batteries)	87	113	