

TCT SERIES

UNINTERRUPTIBLE POWER SUPPLIES

10-200kVA

3-PHASE TOWER UPS



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) ←



TECHNICAL SPECIFICATIONS

MODEL	TCT10EB-80P	TCT20EB-80P	TCT30EB-80P	TCT40EB-160P	TCT60EB-160P	TCT100EB-200P	/		
	TCT10EL	TCT20EL	TCT30EL	TCT40EL	TCT60EL	TCT100EL	TCT120EL	TCT150EL	TCT200EL
Capacity	10kVA	20kVA	30kVA	40kVA	60kVA	100kVA	120kVA	150kVA	200kVA
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								
	UPS for external batteries, Settable								
Quantity	Internal BAT	Battery strips							
	External BAT	Depend on external battery, 40PCS (default, 30-50 PCS, selected)							
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 0.5Hz/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 (storage); 0-95% (Humidity, non-condensing)								
Dimension (WxDxH) mm	Internal BAT	400x861x783			500x800x1350		500x950x1750		/
	External BAT	250x745x556			250x728x650		380x950x900		500x900x1300
Weight(kg)	Internal BAT (No include batteries)	67	68	70	87		113		/
	External BAT	30.8	31.8	32.35	66	72	91	100	143