TCT SERIES

UNINTERRUPTIBLE POWER SUPPLIES

10-60kVA

3-PHASE Rack UPS



POWER RANGE

10-60kVA

OPERATION

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

APPLICATIONS

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

CHARACTERISTICS

- Mounted in 19 inch rack, or install as tower UPS
- 7 inch touch LCD with IoT functions.
- Flexible configuration as 3/3,3/1,1/1.
- High power density, small volume, 30kW in 3U.
- High reliability and environmental adaptability.



TECHNICAL SPECIFICATIONS

MODEL	TCT010ELRM	TCT015ELRM	TCT020ELRM	TCT030ELRM	TCT040ELRM	TCT060ELRM
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA
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%				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(default 20 PCS, 20-50 PCS, selceted)	±240VDC(default 40 PCS,30-50 PCS, selceted)				
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 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%				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, Cold start*					
Option	SNMP card, AS400 card, Parallel kit, Air filter					
Environment	0-40°C (operation); -25°C~70 (storage); 0-95% (Humidity, non-condensing)					
Dimension (WxDxH) mm	440x775x130 (3U)				440x810x175 (4U)	
Weight(kg)	21.4	22.4	22.7		60	