

PRO T Series

10~40kVA 3 phases Tower UPS



Power range

10~40 kVA

Operation

3P/3P, 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.
- UPS with internal batteries minimal support for 20 PCS batteries.
- Standard configuration for mains input/output, bypass, maintenance bypass, battery breaker.

Model	PRO T 010-20	PRO T 010-40	PRO T 010-80
	T010		
Rate Power	10kVA		
Input	3P5W (3P+N+PE)		
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)		
Rate Freq.	50/60Hz		
Main input	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		
Rate voltage	±120VDC(default 20 PCS,20-50 PCS, selceted)	±240VDC(default 40 PCS,30-50 PCS, selceted)	
Model	Internal BAT UPS with internal batteries,12VDC/7~9Ah		
	External BAT UPS for external batteries,Settable		
Battery	Quantity	20PCS	40PCS 80PCS
		20PCS(default, 20-50PCS optional)	40PCS(default, 30-50PCS optional)
Charging capacity	Internal BAT Max. 50%*Pout		
	External BAT		
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%	
	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)	
	Configuration	USB, RS232, RS485, Dry contact, Air filter, Cold start,Enternet port	
	Option	SNMP card, AS400 card, Parallel kit	
	Environment	0-40℃ (operation) ; -25℃~70℃ (storage) ; 0-95% (Humidity, non-condensing)	
Dimension (W*D*H) mm	Internal BAT	250*645*556	250*694*724 400*770*854
	External BAT	250*745*556	
Weight(kg)	Internal BAT	90	139 245
	External BAT	30.8	

Model		PRO T 020-40	PRO T 020-80	PRO T 030-80	PRO T 040-80
		T020		T030	T040
Rate Power		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%		THDi<3%	
	Voltage range	304 ~ 478VAC(L-L)full load ; 304 ~ 228VAC (L-L) power derate from 100% to 50%			
	Freq. range	40-70Hz			
Rate voltage		±240VDC(default 40 PCS)			
Model	Internal BAT	UPS with internal batteries,12VDC/7~9Ah			
	External BAT	UPS for external batteries,Settable			
Battery	Quantity	40PCS	80PCS		
		40PCS(default, 30-50PCS optional)			
Charging capacity	Internal BAT	Max. 50%*Pout		Max. 20%*Pout	
	External BAT				
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			
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)			
Inverter	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°			
Efficiency		Up to 97%		Up to 96%	
Display		LED + 7 inch touch LCD			
Certification- Safety		IEC62040-1, IEC60950-1			
System	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)			
	Configuration	USB, RS232, RS485, Dry contact, Air filter, Cold start,Enternet port		USB, RS232, RS485, Dry contact, Cold start	
	Option	SNMP card, AS400 card, Parallel kit		SNMP card, AS400 card, Parallel kit,Air filter	
	Environment	0-40℃ (operation) ; -25℃~70℃ (storage) ; 0-95% (Humidity, non-condensing)			
Dimension (W*D*H) mm	Internal BAT	250*694*724	400*770*854		350*823*1200
	External BAT	250*745*556			250*782*650
Weight(kg)	Internal BAT	140	248	250	262
	External BAT	31.8		32.35	49