

PRO T Series

10~200kVA 3-phase Tower UPS

Internal 7/9Ah modular battery strips



Power range

10~200kVA

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.
- Optional full metal battery strips, with internal batteries capable of configuring up to 16 pcs battery strips.



Full metal battery strips(Optional)

Model		PRO T 010-80	PRO T 020-80	PRO T 030-80	PRO T 040-120
		T010	T020	T030	T040
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%			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,30-50 PCS, selceted)			
Model		UPS with internal batteries,12VDC/7~9Ah			
		UPS for external batteries,Settable			
Battery	Internal BAT	Battery strips			
	Quantity	Depend on external battery, 40PCS(default, 30-50 PCS, selceted)			
	External BAT				
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		380/400/415 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)			
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%		
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,Ethernet			USB, RS232, RS485, Dry contact, Air filter, Cold start
	Option	SNMP card, AS400 card, Parallel kit			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	400*790*783			500*864*922
	External BAT	250*745*556			250*782*650
Weight(kg)	Internal BAT (No include batteries)	67	68	70	78
	External BAT	30.8	31.8	32.35	66

Model	PRO T 060-160		PRO T 100-200		/	
	T060		T100		T200	
Rate Power	60kVA		100kVA		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<3%		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	±240VDC					
Battery	Model	UPS with internal batteries,12VDC/7~9Ah				
		UPS for external batteries,Settable				
	Internal BAT	Battery strips			/	
	External BAT	Depend on external battery, 40PCS(default, 30-50 PCS, selceted)				
	Charging capacity	Max. 20%*Pout		/		
			Max. 15%*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	380/400/415 VAC(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)		<1%(linear load),<3%(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 96%		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		USB, RS232, RS485, Dry contact, Air filter,Cold start		
	Option	SNMP card, AS400 card, Parallel kit		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	500*865*1250		500*950*1700		
	External BAT	250*782*650		380*950*900		
Weight(kg)	Internal BAT (No include batteries)	87		113		
	External BAT	72		91		
				143		