

GT Tower Series

10~200kVA 3 phase Tower UPS
Internal 7/9Ah modular battery strips



Power range

10~200kVA

Operation

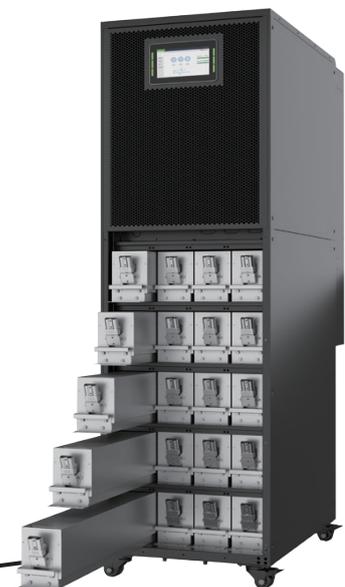
3P/3P, Online double conversion

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



Full metal battery strips (Optional)

Model	GT010EB-80P	GT020EB-80P	GT030EB-80P	GT040EB-160P
	GT010EL	GT020EL	GT030EL	GT040EL
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; UPS for external batteries, Settable		
	Quantity	Internal BAT: Battery strips; External BAT: Depend on external battery, 40PCS(default, 30-50 PCS, selceted)		
	Charging capacity	Max. 50%*Pout		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, Air filter, Cold start		
	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	400*861*783		500*800*1350
	External BAT	250*745*556		250*728*650
Weight(kg)	Internal BAT <small>(No include batteries)</small>	67	68	70
	External BAT	30.8	31.8	32.35

Statement: The products will continue to be innovative and optimized, which may lead to asynchronized updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.

Model	GT060EB-160	/	/	/	
	GT060EL	GT080EL	GT100EL	GT200EL	
Rate Power	60kVA	80kVA	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%(100% Linear load)	THDi<2%(100% Linear load)		
	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	160PCS	/		
	Quantity	Depend on external battery, 40PCS(default, 30-50 PCS, selceted)			
	External BAT				
Charging capacity	20%*Pout	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	380/400/415VAC(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)	<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	Max. 96%	Max. 96.5%	
		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	USB, RS232, RS485, Dry contact, Air filter, Cold start, Ethernet		
Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start	SNMP card, AS400 card, Parallel kit, LBS			
Environment	0-40 °C (operation);-25°C~70°C (storage);0-95% (Humidity, non-condensing)				
Dimension (W*D*H) mm	Internal BAT	500*865*1250	/		
	External BAT	250*782*650	380*950*900	500*1050*1200	
Weight(kg)	Internal BAT (No include batteries)	200	/		
	External BAT	72	91	143	