

# GTM-50 Series

## 50~600kVA Modular UPS



### Power range

50~600kVA

### Operation

3P/3P, Online double conversion

### Applications

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

### Characteristics

- High power density, saving over 10% installation space vs. similar products.
- Cost-effective, optional battery neutral-free design compatible with lithium batteries.
- Strong environmental adaptability, comprehensive protection at system, board, and component levels for ultimate reliability.
- Large LCD touch screen with color graphical display, easy operation and user-friendly interface.
- Highly integrated PCB design improves product assemblability and reduces human error rate.
- Optimized thermal layout with higher design margin; the system can still support 70% load even if a single fan fails.



Model	GTM200/50	GTM300/50	GTM400/50	GTM500/50	GTM600/50
Rate Power	200kVA/200kW	300kVA/300kW	400kVA/400kW	500kVA/500kW	600kVA/600kW
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%(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			
Battery	Rate voltage	3 wires:+240VDC/2 wires: 480VDC(default 40 Pcs,30-50 Pcs, selceted)			
	Charging capacity	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%;			
	Overload	<110%, long time operation 110%< load<125%, 10 mins 125%<load<150%,1 min			
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			
System	Crest factor	3:1			
	Phase Accuracy	120°±0.5°			
	Efficiency	≥97%			
	Display	LED + 7 inch touch LCD	LED + 10 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)			
	Certification- Pref.	IEC62040-3			
	IP degree	IP20			
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter			
	Option	SNMP card, AS400 card, Parallel kit, SPD, Top air outlet, APP/WiFi/Bluetooth			
	Environment	0-40℃ (operation); -25℃ ~70℃(storage); 0-95% (Humidity, non-condensing )			
Wiring method	Top front wiring; bottom front wiring(optional)	Compatible with top & bottom wiring			
Noise(dB)(1 meter)	68dB @ 100% load, 65dB @ 45% load				
Dimension (W*D*H)mm	Cabinet(Standard)	600*750*1600	600*750*2000	600*1000*2000	1200*850*2000 (with four switches by default)
	Four switches Cabinet(Optional)	600*850*2000	600*850*2000	/	
	Module	440*475*140			
Weight (kg)	Standard Cabinet	170	220	320	450
	Four-switch Cabinet	235	240	/	
	Power Module	23			

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.