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

- Fully digital control, flexible and robust.
- 7 &10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Supports battery connection without Neutral.
- Maximum system capacity up to 1.8MVA, the best solution for mega data center.

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				
	Crest factor	3:1				
	Phase Accuracy	120°±0.5°				
System	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)				
	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				

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