

GTM-100 Series

100~1200kVA Modular UPS



Power range

100~1200kVA

Operation

3P/3P, Online double conversion

Applications

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

Characteristics

- Fully digital control, flexible and robust.
- 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.
- Maximum system capacity up to 3.2MVA, the best solution for mega data center.
- Supports battery connection without Neutral.



Model	GTM600/100	GTM800/100	GTM1000/100	GTM1200/100
Rate Power	600kVA/600kW	800kVA/800kW	1000kVA/1000kW	1200kVA/1200kW
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)			
	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			
	Charging capacity Max. 15%*Pout			
	Charging accuracy ±1%			
Bypass	Rate voltage 380/400/415VAC(L-L)			
	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)			
	Rate Freq. 50/60Hz			
	Output PF 1			
	Voltage accuracy ±1.0%			
	Load response <5% (20% - 80% -20% step load)			
	Recovery time < 20ms (0% - 100% -0% step load)			
	Output THDu <1%(linear load), <3% (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 ≥ 97%			
	Display 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			
	Environment 0-40℃ (operation); -25℃~70℃ (storage); 0-95% (Humidity, non-condensing)			
	Noise(dB)(1 meter) 72dB @ 100% load, 69dB @ 45% load			
	Dimension (W*D*H)mm	Cabinet(Standard)	800*1000*2000	800*1000*2000
Four switches Cabinet(Optional)		800*1000*2000	/	
Module		475*705*140		
Weight (kg)	Standard Cabinet	450	450	670
	Four-switch Cabinet	300	/	
	Power Module	47		