

GTM-100 Smart Series

100~2000kVA Modular UPS



Power range

100~2000kVA

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	GTM500/100	GTM600/100	GTM800/100	GTM1000/100	GTM1200/100	GTM1500/100	GTM2000/100
Rate Power	500kVA/500kW	600kVA/600kW	800kVA/800kW	1000kVA/1000kW	1200kVA/1200kW	1500kVA/1500kW	2000kVA/2000kW
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					
	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	Up to 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	Cabinet(W*D*H)mm	800*1100*2000		1200*1000*2000		2800*1100*2000
Module(W*D*H)mm		475*705*140					
Weight	Cabinet(W*D*H)kg	380	390	624		850	1100
	Module(W*D*H)kg	47					
Power Module rated capacity	100KW						