GTM-25/30 Smart Series

25~300kVA Modular UPS 250/300kVA



25~300kVA

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.
- Extreme high power density, 30kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.

	Model		GTM250/25	GTM300/30	
Rate Voltage 380.400.415VAC(L-L); 220/230/240VAC(L-N)	Rate Power		250kVA/250kW	300kVA/300kW	
Rate Freq.		Input	3P5W (3P+N+PE)		
Input PF		Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)		
Input PF		Rate Freq.	50/60Hz		
Current distortion		Input PF	>0.99		
Freq. range		Current distortion	THDi<3%(100% Linear load)		
Rate voltage		Voltage range	$304 \sim 478 \text{VAC(L-L)} \text{full load}; \ 304 \sim 228 \text{VAC (L-L)}$ power derate from 100% to 75%		
Entering Charging capacity 20%*Pout		Freq. range	40-70Hz		
Charging accuracy	Battery	Rate voltage	±240VDC 30-50 batteries(Settable)		
Rate voltage		Charging capacity	20%*Pout		
Voltage range		Charging accuracy	±1%		
Dyests Overload	Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)		
Noverload 110%, long time operation; 110% Rate voltage 380/400/415VAC(L-L); 220/230/240VAC(L-N) Rate Freq. 50/60Hz Output PF		Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%;		
Rate Freq. 50/60Hz		Overload			
Output PF	Inverter	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)		
Voltage accuracy		Rate Freq.	50/60Hz		
Load response		Output PF	1		
Recovery time		Voltage accuracy	±1.0%		
Output THDu		Load response	<5% (20% - 80% -20% step load)		
Output THDu <1%(linear load),<5% (non-linear load according to IEC 62040-3)		Recovery time	< 20ms (0% - 100% -0% step load)		
Frequency accuracy Synchronize window Settable, ±0.5Hz/s-3Hz/S, default ±3Hz Slew rate Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S Phase Accuracy 120°±0.5° Efficiency Normal Mode≥96.5%; Battery Mode≥96.5% 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, LBS Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) abinet(W*D*H)mm cabinet(W*D*H)mm c		Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)		
Synchronize window Settable, ±0.5Hz-±5Hz, default ±3Hz Slew rate Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S Phase Accuracy 120°±0.5° Efficiency Normal Mode≥96.5%; Battery Mode≥96.5% 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, LBS Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm		Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms		
Sew rate Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S		Frequency accuracy	0.1%		
Phase Accuracy 120°±0.5° System Efficiency Normal Mode≥96.5%; Battery Mode≥96.5% 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, LBS Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm		Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz		
Efficiency Normal Mode≥96.5%; Battery Mode≥96.5% Display LED + 10 inch touch LCD Certification- Safety Certification- EMS 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, LBS Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention Cabinet(W*D*H)mm 600*1000*2000		Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S		
Display LED + 10 inch touch LCD		Phase Accuracy	120°:	120°±0.5°	
Certification- Safety IEC62040-1, IEC60950-1	System	Efficiency	Normal Mode≥96.5%; Battery Mode≥96.5%		
System IP degree IP20 Configuration USB, RS232, RS485, Dry contact, Cold start, Air filter Option SNMP card, AS400 card, Parallel kit, SPD, LBS Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm		Display	LED + 10 inch touch LCD		
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Configuration USB, RS232, RS485, Dry contact, Cold start, Air filter Option SNMP card, AS400 card, Parallel kit, SPD, LBS Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm 600*1000*2000		Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(C62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)	
Option SNMP card, AS400 card, Parallel kit, SPD, LBS Environment 0-40°C (operation); -25°C ~70°C (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm 600*1000*2000		IP degree	IP20		
Environment 0-40℃ (operation); -25℃~70℃ (storage); 0-95% (Humidity, non-condensing) Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm 600*1000*2000		Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter		
Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm 600*1000*2000		Option	SNMP card, AS400 card, Parallel kit, SPD, LBS		
Dimention cabinet(W*D*H)mm 600*1000*2000		Environment	0-40℃(operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)		
Differential		Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load		
	Dimention	cabinet(W*D*H)mm	600*100	0*2000	
			440*678*85 (2U)		

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.