

# GTM-25/30 Series

## 25~300kVA Modular UPS



### Power range

25~300kVA

### Operation

3P/3P,3P/1P,1P/1P,Online double conversion

### Applications

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

### Characteristics

- Mounted in 19 inch rack, or stand alone.
- 7 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		GTM50/25	GTM100/25	GTM150/25	GTM250/25	
Rate Power		50kVA/50kW	100kVA/100kW	150kVA/150kW	250kVA/250kW	
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: $\pm 240$ VDC / 2 wires: 480VDC 30-50 batteries(Settable)				
	Charging capacity	50%*Pout (Limited by input current)				
	Charging accuracy	$\pm 1\%$				
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	80/400/415VAC(L-L); 220/230/240VAC(L-N)				
	Rate Freq.	50/60Hz				
	Output PF	1				
	Voltage accuracy	$\pm 1.0\%$				
	Output THDu	<1%(linear load),<5% (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, $\pm 0.5$ Hz- $\pm 5$ Hz, default $\pm 3$ Hz				
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S				
Phase Accuracy	$120^\circ \pm 0.5^\circ$					
System	Efficiency	Up to 96.5%				
	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, APP / WiFi / Bluetooth				
	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 (default)	Cabinet dimention	442*710*307 (7U)	442*661*705(16U)	442*661*906 (20U)	600*850*2000	
	MAX dimention	442*751*397	442*841*797	442*841*976		
	Four-switch cabinet (optional)	Cabinet dimention	442*710*396 (9U)	/	442*661*1239 (28U)	600*850*2000
		MAX dimention	442*751*486		442*841*1331	
Power Module W*D*H(mm)		400*495*86 (2U)				

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Model		GTM120/30	GTM150/30	GTM180/30	GTM300/30
Rate Power		120kVA/120kW	150kVA/150kW	180kVA/180kW	300kVA/300kW
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: $\pm 240$ VDC / 2 wires: 480VDC 30-50 batteries(Settable)			
	Charging capacity	50%*Pout (Limited by input current)			
	Charging accuracy	$\pm 1\%$			
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	$\pm 1.0\%$			
	Output THDu	<1%(linear load),<5% (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 , $\pm 0.5$ Hz- $\pm 5$ Hz, default $\pm 3$ Hz			
	Slew rate	Settable , 0.5Hz/S-3Hz/S , default 0.5Hz/S			
Phase Accuracy	$120^\circ \pm 0.5^\circ$				
System	Efficiency	Up to 96.5%			
	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, APP / WiFi / Bluetooth			
	Environment	0-40 $^\circ$ C(operation); -25 $^\circ$ C~70 $^\circ$ C(storage); 0-95% (Humidity, non-condensing)			
	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load			
Dimention (default)	Cabinet dimention	442*661*705 (16U)	442*661*906(20U)	442*661*906 (20U)	600*850*2000
	MAX dimention	442*841*797	442*841*976	442*841*976	
Four-switch cabinet (optional)	Cabinet dimention	/	442*661*1239 (28U)	/	600*850*2000
	MAX dimention	/	442*841*1331	/	
Power Module W*D*H(mm)		400*495*86 (2U)			

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