

# 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.



Power Module Diagram



Rack Installation Diagram  
(for main units up to 180kVA)

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	$\geq 96.5\%$			
	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*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)
Weight (kg)	Standard Cabinet	39	64	88	143
	Four-switch Cabinet	46	/	116	200
	Power Module	13.9			

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.

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	$\geq 96.5\%$		
	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		
Dimension (default)	Cabinet dimension	442*661*705 (16U)	442*661*906(20U)	442*661*906 (20U)
	MAX dimension	442*841*797	442*841*976	442*841*976
Four-switch cabinet (optional)	Cabinet dimension	/	442*661*1239 (28U)	/
	MAX dimension	/	442*841*1331	/
Power Module W*D*H(mm)	400*495*86 (2U)			
Weight (kg)	Standard Cabinet	64	88	95
	Four-switch Cabinet	/	116	/
	Power Module	13.9		

Statement: The products will continue to be innovative and optimized, which may lead to asynchronous updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.