GTM-15 Series

10~90kVA Modular UPS



10~90kVA

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, 20kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.



Input	Model		GTM030/15	GTM060/15	GTM090/15
Rate Voltage \$80\(\text{Acc}\(1-\); \(220\(1230\)20\(1240\)VAC(L-\)	Rate Power		30kVA/30kW	60kVA/60kW	90kVA/90kW
Rate Freq. So/(60Hz So/(Input	3P5W (3P+N+PE)		
Injust 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 3 wires: ±240VDC / 2 wires: 480VDC 20-50 batteries(Settable)		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	3 wires: ±240VDC / 2 wires: 480VDC 20-50 batteries(Settable)		
Rate voltage		Charging capacity	20%*Pout		
Voltage range		Charging accuracy	±1%		
Noverload 110%, long time operation; 110% load	Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)		
Noverload		Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%;		
Rate Freq. S0/60Hz		Overload			
Noting	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 0.1%		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 + 7 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 Option SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit, Wheels kit 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 442*710*307 (7U) 442*858*705(16U) 442*858*883(20)		Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms		
Selew rate Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S		Frequency accuracy	0.1%		
Phase Accuracy 120°±0.5° Befficiency Normal Mode≥96.5%; Battery Mode≥96.5% Display LED + 7 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 Option SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit, Wheels kit 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 442*858*883(20)		Synchronize window	Settable,±0.5Hz-±5Hz,default ±3Hz		
Efficiency Normal Mode≥96.5%; Battery Mode≥96.5%		Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S		
Display LED + 7 inch touch LCD		Phase Accuracy	120°±0.5°		
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 Option SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit, Wheels kit 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 442*710*307 (7U) 442*858*705(16U) 442*858*883(20	System	Efficiency	Normal Mode≥96.5%; Battery Mode≥96.5%		
System 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 Option SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit, Wheels kit 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 442*710*307 (7U) 442*858*705(16U) 442*858*883(20)		Display	LED + 7 inch touch LCD		
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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 442*710*307 (7U) 442*858*705(16U) 442*858*883(20		Configuration	USB, RS232, RS485, Dry contact, Cold start		
Noise(dB)(1 meter) 65dB @ 100% load, 62dB @ 45% load Dimention cabinet(W*D*H)mm 442*710*307 (7U) 442*858*705(16U) 442*858*883(20)		Option	SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit, Wheels kit		
Dimention cabinet(W*D*H)mm 442*710*307 (7U) 442*858*705(16U) 442*858*883(20		Environment	0-40℃(operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)		
Dimention Samuel 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load		
	Dimention	cabinet(W*D*H)mm	442*710*307 (7U)	442*858*705(16U)	442*858*883(20U)
				400*495*86 (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.