

GTM-10F Series

10~60kVA Modular UPS With Full Switchgear



Power range

10~60kVA



Operation

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



Applications

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



Characteristics

- Standard cabinet mounting, supports rack-mount and tower installation.
- Built-in main switch / bypass switch / maintenance switch / output switch.
- 7-inch LCD touchscreen with color graphics for easy operation and user-friendly interface.
- Device-level extreme protection, safe and reliable, with strong environmental adaptability.
- Supports battery without neutral configuration (optional) for more versatile applications.



Model		GTM020/10-4S	GTM060/10-4S
Rate Power		20kVA/20kW	60kVA/60kW
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 75%	
	Freq. range	40-70Hz	
Battery	Rate voltage	Battery three-wire: ± 240 VDC (adjustable for 20 – 50 cells) Optional battery two-wire: 480VDC (adjustable for 20 – 50 cells)	
	Charging power	Up to 50% of active power	
Bypass	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)	
	Voltage range	Default: -20% ~ +15%; Upper limit options: +10%, +15%, +20%, +25%; Lower limit options: -10%, -15%, -20%, -30%, -40%	
	Overload Capacity	110%,continuous operation;125%,10 mins;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)	
	Inverter overload	100 – 110% load: bypass after 1h; 110 – 125% load: bypass after 10min 125 – 150% load: bypass after 1min;150% load: bypass after 200ms	
	Frequency accuracy	0.1%	
	Tracking range	Settable, ± 0.5 Hz – ± 5 Hz, default ± 3 Hz	
	Tracking rate	Settable, 0.5Hz/s – 3Hz/s, default 0.5 Hz/s	
	Three-phase phase accuracy	$120^\circ \pm 0.5^\circ$	
System	Efficiency	96.5%	
	Display	LCD + LED + Color Touchscreen 7-inch	
	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, Air filter	
	Option	SNMP card, AS400 card, Parallel kit, APP/WiFi/Bluetooth	
	Environment	0-40℃(operation);-25℃~70℃(storage);0-95% (Humidity, non-condensing)	
	Noise (dB) (at 1m)	65dB @ 100% load, 62dB @ 45% load	
	Cabinet body	442*710*396(9U)	442*661*1239(28U)
Dimensions	Cabinet	442*751*486	442*841*1331
W×D×H (mm)	Power module	400*495*86(2U)	

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