

GTM-10EP Series

10~60kVA Modular Online UPS for Power Applications



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

- Modular UPS platform, designed for power industry.
Prefabricated, hot-swappable modules for easy maintenance and expansion.
- Works with DC control systems for power plants and substations. Ensures uninterrupted power for substations, plants, and critical industrial processes.
- 7-inch LCD touchscreen with color graphics for easy operation and user-friendly interface.
- 220V DC no-neutral design, compatible with DC busbars. Maintains full power without derating.
- Supports rack or tower installation.
- Comprehensive device-level protection for high reliability and strong environmental adaptability.



Model		GTM020/10-EP	GTM040/10-EP	GTM060/10-EP
Rate Power		20kVA/20kW	40kVA/40kW	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 50%		
	Freq. range	40-70Hz		
Bypass	DC Voltage	220VDC (compatible with DC busbars, also supports external battery packs)		
	Bypass Voltage	380/400/415 VAC (L-L); 220/230/240 VAC(L-N)		
	Voltage range	Settable, 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		
Output	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)		
	Rate Freq.	50/60Hz		
	Output PF	1		
	Voltage accuracy	±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° ±0.5°		
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)		
Dimensions W×D×H (mm)	Noise (dB) (at 1m)	65dB @ 100% load, 62dB @ 45% load		
	Cabinet body	442*710*307(7U)	442*710*485(11U)	442*661*906(20U)
	Cabinet	442*751*397	442*751*575	442*841*976
Power module		400*495*86(2U)		

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