

GTM Series

(40~480 KVA)

3 : 3 Phase

Application:

Server, bank, industry equipment, IT equipment, communication system & other networking equipment



Control Panel



GENERAL FEATURES

- DSP-controlled modular redundancy technology
- Parallel redundancy up to 4 units
- Wide input voltage and frequency windows
- Easy-to-operate LCD display
- High power density up to 480kVA for space saving
- Unity power factor and low input distortion
- Output power factor at 0.9, 1.0 (optional)
- ECO mode for energy saving
- Common or separate battery
- Programmable battery voltage from 384Vdc(32No.) to 480Vdc (40No.)
- Intelligent charge modes with smart charge current adjustment
- SNMP/Mod Bus protocol supported
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software
- Can be configured to Single phase output(O)



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▶ Technical Specifications

MODEL	GTM3340L32	GTM3360L32	GTM3390L32	GTM33120L32	GTM33160L32	GTM33200L32	GTM33320L32	GTM33400L32	GTM33480L32
Capacity (KVA)	40KVA	60KVA	90KVA	120KVA	160KVA	200KVA	320KVA	400KVA	480KVA
INPUT									
Nominal voltage	380/400/415Vac, (3Ph+N+PE)								
Operating voltage range	208 ~ 478Vac								
Operating frequency range	40Hz-70Hz								
Power factor	≥ 0.99								
Harmonic Distortion (THDi)	2% (100% nonlinear load)								
Bypass voltage range	Max.voltage: +15% (optional +5%,+10%,+25%); Min. voltage: -45% (optional -20%,-30%) Frequency protection range: ±10%								
Generator input	Support								
OUTPUT									
Output voltage	380/400/415Vac, (3Ph+N+PE)								
Voltage regulation	±2%								
Power factor	0.9, 1.0 (optional)								
Output frequency	1.Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (optional) 2.Battery Mode: (50/60±0.2%)Hz								
Crest factor	3 : 1								
Harmonic distortion (THDi)	≤2% with linear load; ≤5% with non linear load								
Efficiency	> 95%								
BATTERY									
Battery voltage	Standard unit: ±216Vdc; Long run unit Optional Voltage: ±192V\±204V\±216V\±228V\±240Vdc								
SYSTEM FEATURES									
Transfer time	Utility to Battery : 0ms; Utility to bypass : 0ms								
Overload	Line mode	Load ≤110% : last 60min, ≤125% : last 10min, ≤150% : last 1min, ≥150% shut down UPS immediately							
	Battery mode	Load ≤110% : last 10min, ≤125% : last 1min, ≤150% : last 5S, ≥150% shut down UPS immediately							
Short Circuit	Hold Whole System								
Overheat	Line Mode : Switch to Bypass; Backup Mode : Shut down UPS immediately								
Low battery voltage	Alarm and Switch off								
Self-diagnostics	Upon Power On and Software Control								
EPO (optional)	Shut down UPS immediately								
Battery	Advanced Battery Management								
Noise Suppression	Complies with EN62040-2								
Audible & Visual	Line Failure, Battery Low, Overload, System Fault								
Status LED & LCD display	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault								
Reading on the LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature								
Communication interface	RS232, RS485, Parallel, Intelligent slot, Relay card (optional), SNMP card (optional)								
ENVIRONMENTAL									
Operating temperature	0°C ~ 40°C								
Storage temperature	-25°C ~ 55°C								
Humidity range	0 ~ 95% (non condensing)								
Altitude	< 1500m								
Noise level	< 55dB								
PHYSICAL									
Dimension W×D×H (mm)	600x780x1200			600x780x1600		600x850x1600	600x850x2000	1200x850x2000	
Net weight (kg)	150	158	190	198	200	230	250	280	320
STANDARDS									
Safety	IEC/EN62040-1, IEC/EN60950-1								
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8								

Specifications are subject to change without prior notice.



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