

GTM Series

30~90kVA / 40~120kVA / 65~210kVA
3:3 Phase Modular Technology



Applications:

Server, Bank, Industry Equipments,
IT Equipments, Communication System &
Others Networking Equipments

Features:

- ♦ True online, double conversion, pure sine wave technology
- ♦ DSP-controlled Microprocessor based modular redundancy design with IGBT based Rectifier and Inverter
- ♦ Inbuilt internal Module redundancy
- ♦ Parallel redundancy up to 4 units with extendable racks
- ♦ Wide input voltage and frequency windows with auto on function
- ♦ Easy to operate LCD display
- ♦ High power density up to 90/120/210kVA for space saving
- ♦ Unity power factor and low input distortion
- ♦ Output power factor at 0.9 standard / unity optional
- ♦ ECO mode for energy saving
- ♦ Common or separate battery bank Configurable
- ♦ Programmable no of battery 32 Nos. to 40 Nos., (384-480V DC)
- ♦ Intelligent charge mode with smart charge current adjustment
- ♦ Versatile communication interfaces provided for different applications
- ♦ Programmable control and monitoring software
- ♦ Cold start operation
- ♦ Line filtering and inrush protection
- ♦ Isolation Transformer Compatible



Control Panel



MODEL	GTM3330L32	GTM3360L32	GTM3390L32	GTM3340L32	GTM3380L32	GTM33120L32	GTM3365L32	GTM33130L32	GTM33210L32
Capacity	30kVA	60kVA	90kVA	40kVA	80kVA	120kVA	65kVA	130kVA	210kVA
Module Configuration	30kVA x 01	30kVA x 02	30kVA x 03	40kVA x 01	40kVA x 02	40kVA x 03	65kVA x 01	65kVA x 02	70kVA x 03
INPUT									
Nominal Voltage	380V / 400V / 415V AC (3Ph+N+PE)								
Voltage Range	+25% – 35%								
Frequency Range	50 / 60 Hz ± 20% Auto Sensing								
Power Factor	0.99								
Harmonic Distortion (THDi)	2% (Non-Linear Load)								
Bypass Range	Voltage	35% (Optional -20%, -30%)							
	Frequency	± 10% (Configurable)							
Generator Input	Support								
OUTPUT									
Output Voltage	380V / 400V / 415V AC (3Ph+N+PE)								
Voltage Regulation	± 1%								
Power Factor	0.9 Standard / Unity Optional								
Frequency	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode								
Crest Factor	3:1								
Harmonic Distortion (THDv)	2% with Linear Load; 5% with Non-Linear Load								
Overload	125% for 10 Min, 150% for 1 Min, 150% for 200 ms								
Efficiency	Up to 95% Dual Conversion Mode, 99% ECO Mode								
BATTERY									
Battery Voltage	Standard Unit: ± 216V DC; Unit configurable Voltage: ± 192V / ± 204V / ± 216V / ± 228V / ± 240V DC								
SYSTEM FEATURES									
Transfer Time	Zero								
Self-Diagnostics / EPO	Upon Power On and Software Control / Inbuilt								
IP Protection	IP 20								
Alarm / Protection	Line Failure, Battery Low, Overload, System Fault and Short Circuit								
Display	LED	Line Mode, Bypass Mode, Battery Low, Overload and UPS Fault Codes							
	LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load %, Battery Voltage & Temperature, Output W/VA							
Parallel	Inbuilt								
ENVIRONMENT									
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C								
Humidity / Altitude	0~95% RH Non-condensing / <1500 M								
Noise	Low Audible Noise Level								
STANDARDS									
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, RoHS								
Safety	IEC/EN62040-1								
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE								
PHYSICAL									
Dimension WxDxH (mm)	600x780x1200						600x1100x1400		
Net Weight (Kg)	126	129	158	164	190	199	163	211	259
COMMUNICATION INTERFACE									
Standard	RS-232								
Optional	SNMP / ModBus / Dry Contact / USB / RS-485								
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000								

*Specifications are subject to change without prior notice.