

GTM Series

30~90kVA

3:3 Phase Modular Technology

Applications:

For all kind of ADP Machines



Features:

- True online, double conversion, pure sine wave technology
- DSP-controlled Microprocessor based modular redundancy design with IGBT based Rectifier and Inverter
- 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 90kVA 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
Capacity (kVA)		30	60	90
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)		≤3%		
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)		≤ 1%		
Overload		≤ 125% for 10 Min, ≤150% for 1 Min, ≥ 150% for 200 ms		
Efficiency		95.5% Dual Conversion Mode, 99.0% 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: 0~50°C*, Storage: -15°C ~ 60°C		
Humidity / Altitude		0~95% RH Non-condensing / <1500 M		
Noise		≤ 65dBA		
STANDARDS				
Quality		ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS		
Safety		IEC/EN62040-1		
EMC / Performance		IEC/EN62040-2; IEC/EN62040-3, Complying to CE		
PHYSICAL				
Dimension WxDxH (mm)		600x780x1200		
Net Weight (Kg)		158	190	196
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		

* Conditions apply.
Specifications are subject to change without prior notice.

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