

# GTL Low Frequency Online Series

10~600kVA UPS



## Introduction

10~600kVA



## Operation

3P/3P, Online double conversion



## Application

Widely used in rail transportation, airport and aviation, healthcare, oil fields, military, radar stations, power systems, heavy industrial sites, manufacturing production lines, and other fields.



## Characteristics

- Advanced rectification and IGBT inverter control with online double-conversion topology for superior performance.
- Wide input voltage and frequency range, ensuring strong grid adaptability.
- Built-in output isolation transformer reduces neutral-to-ground voltage and load harmonics impact.
- Excellent load adaptability with strong overload and short-circuit capability for stable operation.
- Redundant control power design ensures high reliability and availability.
- Intelligent battery management with automatic maintenance extends battery life.
- Independent cooling system with multi-level protection for harsh environments.
- Supports dual or single mains input for enhanced power security.
- User-friendly HMI with color touchscreen for easy operation.

Model		GTL 010	GTL 015	GTL 020	GTL 030	GTL 040	GTL 060	GTL 080	GTL 100	GTL 120	GTL 160	GTL 200	GTL 250	GTL 300	GTL 400	GTL 500	GTL 600		
Rate Power		10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA		
Main input	Waveform	Pure Sine Wave																	
	Rate Voltage	3P5W;3P+N+PE;380/400/415VAC																	
	Voltage Range	285-475 VAC																	
	Rated Frequency	50Hz/60Hz																	
	Freq.range	46-65Hz																	
Bypass	Transfer Time	0ms																	
	Input Range	380VAC (-15% ~ +15%)																	
	Freq. range	50/60Hz,Settable, ±1 Hz, ±2 Hz, ±3 Hz																	
	Tracking Speed	0.5~2Hz/s																	
Output Power	Rate voltage	Three-phase 380VAC																	
	Voltage Range	380VAC ±1%																	
	Output PF	0.8																	
	Voltage Phase Deviation	≤2°																	
	Three-phase Unbalance	100% unbalanced load allowed																	
	Output Waveform	Pure Sine Wave																	
	Overload	125%,10 mins; 150%,1 min;																	
Battery	Battery Voltage	384VDC, supports 30-32 12V batteries														480VDC (38-42 cells) or 768VDC (60-64 cells 12V)			
	Battery Type	2V or 12V maintenance-free lead-acid battery																	
	Backup Time	Determined by battery capacity																	
System	Instant Recovery Time	<20ms																	
	Transfer Time	Mains-Battery: 0ms; Mains-Bypass: <2ms																	
	IP degree	IP20																	
	Efficiency	Normal Mode ≥90%; ECO Mode ≥97%																	
	Noise(dB)(2 meter)	<50-66dB																	
	Grounding Method	TN-S System																	
	Communication	RS232/EPO/485/Dry Contact,																	
	Option	SNMP Card																	
	Cooling Method	Air Cooling																	
	Cabinet Color	Black																	
	Temperature	0~40°C																	
	Relative humidity	95%, non-condensing																	
	Altitude	<1500m																	

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