

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
Waveform	Pure Sine Wave															
Rate Voltage	3P5W;3P+N+PE;380/400/415VAC															
Main input	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															
	Instant Recovery Time															
	<20ms															
	Transfer Time															
	Mains-Battery: 0ms; Mains-Bypass: <2ms															
	IP degree															
	IP20															
	Efficiency															
	Normal Mode ≥90%; ECO Mode ≥97%															
System	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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