

# GTL Low Frequency Online Series

## 10~600kVA UPS



### Power range

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	380/400/415 VAC ±25%																
	Rated Frequency	50Hz/60Hz																
	Freq.range	50Hz/60Hz, ±5%, Automatic detection																
Bypass	Input Range	400VAC (-15% ~ +15%)																
	Freq. range	50/60Hz, ±5%, Automatic detection																
Output Power	Rate voltage	3P5W, 380/400/415 VAC																
	Voltage Range	±1% (steady-state load), ±3% (load variation)																
	Output PF	0.9																
	Voltage Phase Deviation	<3% Linear load, <5% Non-linear load																
	Output Waveform	Pure Sine Wave																
	Overload	110%: 2h; 125%: 10min; 150%: 1min																
Battery	Battery Voltage	360VDC or 384VDC (optional)																
	Battery Type	2V or 12V maintenance-free lead-acid battery																
	Backup Time	Determined by battery capacity																
System	Panel Display	LED/LCD display																
	Alarm	Audible & visual alarm																
	IP degree	IP20																
	Protection	UPS overcurrent, short circuit, low battery voltage, over temperature																
	Noise(dB)	60-65 dB																
	Grounding Method	TN-S System																
	Communication	RS485 / dry contact																
	Option	RS232/ SNMP Card																
	Cooling Method	Air Cooling																
	Environment	Temperature	-10~40°C															
Relative humidity		95%, non-condensing																
Altitude		<1500m																
Dimension W*D*H(mm)	540*657*1132			550*725*1290			800*750*1700			800*850*1900			1204*850*1900			2600*1200*2000		

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