

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		
Weight(kg)	150	200	200	230	252	390	400	665	675	805	900	1080	1300	1500	1768	1972

Statement: The products will continue to be innovative and optimized, which may lead to asynchronous updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.