

GT Tower Series

10~200kVA 3 phase Tower UPS



Power range

10~200kVA

Operation

3P/3P, 3P/1P, 1P/1P, Online double conversion

Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristics

- 7 inch touch LCD with IoT functions.
- Highpower density, small volume.
- High reliability and environmental adaptability.
- THDi<2%.
- 3-level topology design, online efficiency up to 97%.
- 3-Phase UPS with internal batteries minimal support for 20 PCS batteries.
- Supports recording and exporting logs, and can store up to 10,000 pcs event logs.

| Model | | GT010B-20 | GT010B-40 | GT010B-80 | GT020B-40 | GT020B-80 | GT030B-80 |
|-----------------------------|--------------------|---|-------------|-------------|-------------|-------------|-------------|
| | | GT010L | | | GT020L | | GT030L |
| Rate Power | | 10kVA | | | 20kVA | | 30kVA |
| Main input | Input | 3P5W (3P+N+PE) | | | | | |
| | Rate Voltage | 380/400/415VAC(L-L) ; 220/230/240VAC(L-N) | | | | | |
| | Rate Freq. | 50/60Hz | | | | | |
| | Input PF | >0.99 | | | | | |
| | Current distortion | THDi<2% | | | | | |
| | Voltage range | 304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 50% | | | | | |
| | Freq. range | 40-70Hz | | | | | |
| Rate voltage | | ±120VDC | ±240VDC | | | | |
| Model | Internal BAT | UPS with internal batteries,12VDC/7~9Ah | | | | | |
| | External BAT | UPS for external batteries,Settable | | | | | |
| Battery | Quantity | 20PCS | 40PCS | 80PCS | 40PCS | 80PCS | 80PCS |
| | External BAT | Depend on external battery | | | | | |
| Charging capacity | Internal BAT | Max. 50%*Pout | | | | | |
| | External BAT | Max. 50%*Pout | | | | | |
| Charging accuracy | | ±1% | | | | | |
| Bypass | Rate voltage | 380/400/415VAC(L-L)220/230/240VAC(L-N) | | | | | |
| | Voltage range | Range: -40%~ +25%, Settable, default -20% ~+15% | | | | | |
| | Frequency range | 50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz | | | | | |
| Inverter | Rate voltage | 380/400/415VAC(L-L); 220/230/240VAC(L-N) | | | | | |
| | Rate Freq. | 50/60Hz | | | | | |
| | Output PF | 1 | | | | | |
| | Voltage accuracy | ±1.0% | | | | | |
| | Output THDu | <1% (linear load), <5%(non-linear load according to IEC 62040-3) | | | | | |
| | Overload | 110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms | | | | | |
| | Frequency accuracy | 0.1% | | | | | |
| | Synchronize window | Settable, ±0.5Hz~±5Hz, default ±3Hz | | | | | |
| | Slew rate | Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S | | | | | |
| | Crest factor | 3:1 | | | | | |
| | Phase Accuracy | 120°±0.5° | | | | | |
| Efficiency | | Up to 97% | | | | | |
| Display | | LED + 7 inch touch LCD | | | | | |
| Certification- Safety | | IEC62040-1, IEC60950-1 | | | | | |
| Certification- EMS | | IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge) | | | | | |
| System Certification- Perf. | | IEC62040-3 | | | | | |
| IP degree | | IP20 | | | | | |
| Configuration | | USB, RS232, RS485, Dry contact, Air filter,Cold start | | | | | |
| Option | | SNMP card, AS400 card, Parallel kit | | | | | |
| Environment | | 0~40 °C (operation) ; -25 °C~70 °C (storage) ; 0-95% (Humidity, non-condensing) | | | | | |
| Dimension (W*D*H) mm | Internal BAT | 250*645*556 | 250*694*724 | 400*770*854 | 250*694*724 | 400*770*854 | 400*770*854 |
| | External BAT | 250*745*556 | | | | | |
| Weight(kg) | Internal BAT | 90 | 139 | 245 | 140 | 248 | 250 |
| | External BAT | 30.8 | | | 31.8 | | 32.35 |

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.

| Model | GT040B-80 | | / | | | |
|----------------------|--|---|--------|-------------|--------|--------------|
| | GT040L | GT060L | GT100L | GT120L | GT150L | GT200L |
| Rate Power | 40kVA | 60kVA | 100kVA | 120kVA | 150kVA | 200kVA |
| Input | 3P5W (3P+N+PE) | | | | | |
| Rate Voltage | 380/400/415VAC(L-L); 220/230/240VAC(L-N) | | | | | |
| Rate Freq. | 50/60Hz | | | | | |
| Main input | Input PF | >0.99 | | | | |
| | Current distortion | THDi<2% | | | | |
| | Voltage range | 304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 50% | | | | |
| | Freq. range | 40-70Hz | | | | |
| Rate voltage | ±240VDC | | | | | |
| Battery | Model | UPS with internal batteries,12VDC/7~9Ah | | | | |
| | | UPS for external batteries,Settable | | | | |
| | Internal BAT | 80PCS | / | | | |
| | Quantity | Depend on external battery, 40PCS(default, 30-50 PCS, selceted) | | | | |
| External BAT | | | | | | |
| Charging capacity | Max. 20%*Pout | | | | | |
| Charging accuracy | ±1% | | | | | |
| Bypass | Rate voltage | 380/400/415VAC(L-L); 220/230/240VAC(L-N) | | | | |
| | Voltage range | Range: -40% ~ +25%, Settable, default -20% ~ +15% | | | | |
| | Frequency range | 50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz | | | | |
| Inverter | Rate voltage | 380/400/415VAC(L-L); 220/230/240VAC(L-N) | | | | |
| | Rate Freq. | 50/60Hz | | | | |
| | Output PF | 1 | | | | |
| | Voltage accuracy | ±1.0% | | | | |
| | Output THDu | <1%(linear load),<5%(non-linear load) | | | | |
| | Overload | 110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms | | | | |
| | Frequency accuracy | 0.1% | | | | |
| | Synchronize window | Settable, ±0.5Hz-±5Hz, default ±3Hz | | | | |
| | Slew rate | Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S | | | | |
| | Crest factor | 3:1 | | | | |
| | Phase Accuracy | 120°±0.5° | | | | |
| System | Efficiency | Max. 97% | | | | |
| | Display | LED + 7 inch touch LCD | | | | |
| | Certification- Safety | IEC62040-1, IEC60950-1 | | | | |
| | Certification- EMS | IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge) | | | | |
| | IP degree | IP20 | | | | |
| | Configuration | USB, RS232, RS485, Dry contact,Air filter,Cold start | | | | |
| Option | SNMP card, AS400 card, Parallel kit | | | | | |
| Environment | 0~40°C (operation) ; -25°C~70°C (storage) ; 0-95% (Humidity, non-condensing) | | | | | |
| Dimension (W*D*H) mm | Internal BAT | 400*800*950 | / | | | |
| | External BAT | 250*728*650 | | 350*950*900 | | 500*900*1300 |
| Weight(kg) | Internal BAT | 270 | / | | | |
| | External BAT | 66 | 72 | 91 | 100 | 143 |