

# GT Tower Series

## 100~600kVA 3 phase Tower UPS



### Power range

100~600kVA

### Operation

3P/3P, Online double conversion

### Applications

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

### Characteristics

- 3P/3P pure online double transformation products, support 380 / 400 / 415V, 50 / 60Hz power grid system, to provide the ideal power supply quality and load protection.
- High performance and efficiency, input PF>0.99, THDi<3%, efficiency >96%.
- Full DSP control, flexible and robust digital control for rectifier, inverter and battery management.
- Wide range of voltage and frequency, adapt to different grid and generator input.
- Intelligent system self-diagnosis scheme, rich fault recording, large capacity of history record storage space.
- Redundancy fan design in power module, increasing the system reliability and tolerance.
- Top/bottom cable entry, flexible for different field installation.

Model	GT100	GT120	GT180	GT200	GT240	GT300	GT400	GT500	GT600	
Rate Power	100kVA	120kVA	180kVA	200kVA	240kVA	300kVA	400kVA	500kVA	600kVA	
Main input	Input 3P5W (3P+N+PE)									
	Rate Voltage 380/400/415VAC(L-L)									
	Rate Freq. 50/60Hz									
	Input PF >0.99									
	Current distortion THDi<3% ( 100% Linear load )									
	Voltage range 304 ~ 478VAC(L-L)full load ; 304 ~ 228VAC (L-L) power derate from 100% to 75%									
	Battery	Rate voltage $\pm 240$ VDC 30-50 batteries(Settable)								
Charging capacity 20%*Pout										
Charging accuracy $\pm 1\%$										
Bypass	Rate voltage 380/400/415VAC(L-L)									
	Voltage range Range: -40%- +25% , Settable, default -20% ~ +15% ;									
Overload	125%, long time operation			125%< load <130%, 10mins			110%, long time operation		110%< load<125%, 5 mins	
	130%<load <150%, 1min			>150%,300ms			125%<load<150%, 1 min		>150%,1 second	
Inverter	Rate voltage 380/400/415VAC(L-L)									
	Rate Freq. 50/60Hz									
	Output PF 1									
	Voltage accuracy $\pm 1.0\%$									
	Load response <5% (20% - 80% -20% step load)									
	Recovery time < 20ms (0% - 100% -0% step load)									
	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, $\pm 0.5$ Hz- $\pm 5$ Hz, 50/60Hz $\pm 3$ Hz									
	Slew rate Settable, 0.5Hz/S-3Hz/S, default 2Hz/S									
	Crest factor 3:1									
	Phase Accuracy $120^{\circ} \pm 0.5^{\circ}$									
	System	Efficiency $\geq 96\%$								
Display LED + 7 inch touch LCD					LED + 10 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, Cold start, Air filter										
Option SNMP card, AS400 card, Parallel kit, SPD, APP/WiFi/Bluetooth										
Environment 0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing )										
Noise(dB)(1 meter) 72dB @ 100% load, 69dB @ 45% load										
Dimension (W*D*H)mm			600*750*1600			600*750*2000		600*1000*2000		1200*850*2000

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