GT-100SM Series

Smart Modular UPS 600/800/1000/1200kVA



100~1200kVA

Operation

3P/3P, Online double conversion

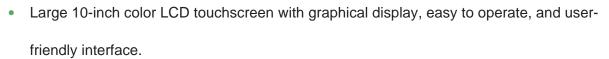


Applications

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

Characteristics

- DSP fully digital control, with digital control of rectification,
 inversion, charging, and discharging power conversion stages.
- Device-level protection for extreme reliability and enhanced environmental adaptability.



- Intelligent self-diagnostic system with extensive fault records and large-capacity historical data storage.
- Supports up to 3.2 MW, the best choice for ultra-large data centers.



Model		GT600/100	GT800/100	GT1000/100	GT1200/100
Rate Power		600kVA/600kW	800kVA/800kW	1000kVA/1000kW	1200kVA/1200kW
	Input	3P5W (3P+N+PE)			
Main input	Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
	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 50%			
	Freq. range	40-70Hz			
Battery	Rate voltage	Battery three-wire: ±240VDC (adjustable for 30 – 50 cells) Optional battery two-wire: 480VDC (adjustable for 30 – 50 cells)			
	Charging power	Up to 15%* of active power			
Bypass	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)			
	Voltage range	Settable, Default: -20% ~ +15%; Upper limit options: +10%, +15%, +20%, +25%; Lower limit options: -10%, -15%, -20%, -30%, -40%			
	Overload Capacity	110%,continuous operation;125%,5 mins;150%,1 min; > 150% 1 sec			
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)			
	Inverter overload	100 – 110% load: bypass after 1h; 110 – 125% load: bypass after 10min 125 – 150% load: bypass after 1min;150% load: bypass after 200ms			
	Frequency accuracy	0.1%			
	Tracking range	Settable, ±0.5 Hz – ±5 Hz, default ±3 Hz			
	Tracking rate	Settable, 0.5Hz/s – 3Hz/s, default 0.5 Hz/s			
	Peak Ratio	3:1			
	Three-phase phase accuracy		120° ±0.5°		
System	Efficiency	≥97%			
	Display	LCD + LED + Color Touchscreen 10-inch			
	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, Battery cold start, Dust filter			
	Option	SNMP card, AS400 card, Parallel kit, Surge protection module, APP/WiFi/Bluetooth			
	Environment	0-40°C (operation);-25°C ~70°C (storage);0-95% (Humidity, non-condensing)			
	Noise (dB) (at 1m)		72dB @ 100% load, 69dB @ 45% load		
Dimensions WxDxH (mm)	Cabinet body	800*1000	800*1000*2000 1200*1100*2000		
	Power module	475*705*140			

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