

GT-100SM Series

Smart Modular UPS

600/800/1000/1200kVA



Power range

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.
- Large 10-inch color LCD touchscreen with graphical display, easy to operate, and user-friendly interface.
- 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
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<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℃(operation);-25℃~70℃(storage);0-95% (Humidity, non-condensing)			
	Noise (dB) (at 1m)	72dB @ 100% load, 69dB @ 45% load			
Dimensions WxDxH (mm)	Cabinet body	800*1000*2000		1200*1100*2000	
	Power module	475*705*140			

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