## GE Energy Digital Energy

#### Introduction

With GE's GT Series, your mission critical equipment is protected from any fluctuation in your power source, enabling you to concentrate on your core activities. The GT Series is a true VFI (Voltage & Frequency Independent) on-line double conversion, transformerless, intelligent and high performance UPS.

This UPS provides critical power protection to suit a wide range of IT Networks, Telecom and other applications. The GT Series is easy to install and service, and is designed for maximum site flexibility. With an attractively designed modern common tower and/or 19-inch rack mount cabinet, the UPS can adapt as network configurations adapt.

For communication, the GT Series is equipped with RS-232 and contact interface as standard; a web-enabled SNMP card is available as an option. Operation from remote or unmanned sites is simple to coordinate with standard remote monitoring functionality. No load shutdown, automatic frequency detection, settable minimum start-up runtime and extended runtime availability with optional battery packs are additional features of the GT Series UPS.

#### **Performance Features**

- > Rack / Tower Mounting
- > Auto Sensing 50/60Hz
- > Extended Runtime Options Additional Runtime with 2U Plug & Play Battery Packs
- > Additional Communications SNMP Card Slot
- > Included Monitoring & Operational Software
- > Built-in RS-232 Communication Port
- > Emergency Power Off Terminal Connections for EPO
- > User-Replaceable Hot Swappable Batteries
- > Standard 2 Year Warranty
- > Wide Input Voltage Window
- > Internal Auto and Manual Bypass

#### **Applications**

- > Computer and Data Centers
- > Call Centers
- > Telecommunications Equipment
- > Security Systems
- > Financial Institutions
- > Fixed and Mobile Voice and Data Transmission

#### **Vertical Markets**

- > Healthcare
- > Telecom
- > Education
- > Financial
- > Retail
- > Broadcasting
- > Entertainment

# 5kVA & 6kVA Tower / Rackmount

GT Series Uninterruptible Power Supply (UPS)







Technical Specifications – UL listed							
Model	GT5000 RT	GT6000 RT					
Ratings							
Power ratings depending on input voltage 100V / 200V : 110V / 220V : 115V / 230V : 120V / 208V : 120V / 240V : 127V / 220V :	4000 / 3400 4500 / 3800 5000 / 4000 4800 / 4200 5000 / 4200 4800 / 4200	VA / W 4800 / 3400 5400 / 3800 6000 / 4200 5200 / 4200 6000 / 4200 5200 / 4200					
Input thermal circuit breaker (A) Internal input fuse 250V, slow (A)		0					
Input converter							
AC input voltage AC input voltage range	100/(173-200), 110/(19	20 / 208 V 90-220), 115/(198-230) )), 127/(220) V					
Input current waveform Input current (A) at nominal input voltage Input power factor Input frequency range Input phase (L1 to L2)	sine wave 20 > 0.97 40 - 70 Hz 120° / 180° / 240° ±10°						
Inrush current	4	0					
Output converter  AC output voltage  AC output voltage tolerance  Output frequency  Output frequency range  Output waveform	L-N $\pm$ 3%; I 50 / 60 Hz, a nominal $\pm$ 5% with r	0 / 127 V (selectable) 1-L2 ± 5% uto selection mains synchronizing wave					
Harmonic distortion		load, < 5% with					
Power factor at nominal input voltage Crest factor (peak to RMS current) Capacity appliance outlets	0.87 ≤ 3	0.8 : 1 rminal Block					
Bypass							
AC input voltage range Frequency tracking rate Frequency tracking range Typical transfer time, msec	1H ± 5% of selec	d output voltage z/s ted frequency )					

Model	GT5000 RT	GT6000 RT			
Overload capability					
Overload behavior during battery operation Overload behavior during bypass operation	130% for 10 seconds 200% for 2 seconds depends on rating of thermal circuit breaker (TCB) 125% of TCB value for 200 seconds 200% of TCB value for 10 seconds 300% of TCB value for 4 seconds				
Batteries (ratings given for 25° C)					
Nominal voltage (Vdc) Qty/ Ah (in battery kit and battery ext. pack) Type Recharge current	12 pcs REW45	44 5 / 8Ah 5-12 FR A			
Battery recharge time (batt. discharged at 100% load)	6 hours for 9	90% capacity			
General					
Weight UPS Dimensions UPS (HxWxD) Weight battery pack Dimensions battery pack Enclosure / protection Mountina	176x430x592 mm 43 Kg (9 87x430x592 mm (	(67 lbs)   (6.9x16.9x22.55 in   94.7 lbs)   3.47x16.9x2255 in   stic / IP20   mount with same ur			
Environment					
Safety Approval Electromagnetic compatibility	EMI: FCC CFR47 Pc IEC61000- RS: IEC61000-4-3, level level 4, Surge: IEC ANSI C62.41 (IEE	1778 art 15, class A, ESD: 4-2, level 4 4-13, EFT: IEC61000-4 61000-4-5, level 3 E587) Category A 1,B (level 1)			
Ambient temperature Audible noise at 3.3 ft. Max. relative humidity Color	0 to - < 55 dB(A), load and te 90% (non-c	+40°C			

**Modular PDU Pluas** 

Trouble Trouble															
		Outlets (NEMA)												Input (NEMA)	
Model	TB**	5-20R T		L5-20R		L5-30R		EN60320		L6-20R	L6-30R	L14-30R	TB**	L14-30R	
	IB**	L1-N-G	L2-N-G	L1-N-G	L2-N-G	L1-N-G	L2-N-G	L1-N-G	L2-N-G	L1-L2-G	L1-L2-G	L1-N-L2-G	IR.		
GT PDU A 01*	1												1		
GT PDU A 02	1												1		
GT PDU A 03		2	2								1	1		1	
GT PDU A 04		1	1							2				1	
GT PDU A 05		2	2								2			1	
GT PDU A 06								2	2					1	
GT PDU A 07				2	2	1	1							1	
GT PDU A 08				2	2						2			1	
GT PDLLA 09										/ı				1	

GT PDU A 09

\*: No 3 pole 6 ms maximum transfer time manual bypass. \*\*: TB = Terminal Block

### **Battery Run Times**

Model	Load	Internal Batteries	1 Battery Pack	2 Battery Packs	3 Battery Packs	
GT5000 RT / GT6000 RT	10%	75 min	156 min	235 min	313 min	
	25%	31 min	75 min	115 min	155 min	
	50%	14 min	34 min	58 min	82 min	
	75%	8 min	22 min	35 min	50 min	
	100%	5 min	14 min	25 min	36 min	

Represented by:

imagination at work

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Information subject to change without notice. Please verify all details with GE.

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