

# GE Digital Energy Power Quality

## Introduction

The Digital Energy™ GT Series Tower UPS provides high quality power protection in a cost-effective package. The GT Series is a true VFI (Voltage and Frequency Independent) on-line double conversion high-performance device.

The UPS is designed to support and protect mission critical applications, and the bypass mode provides high reliability against mains power disturbances. All GE Digital Energy™ GT UPS's are microprocessor-controlled and equipped with RS-232 communication, and optional SNMP interfacing capabilities for all major operating systems, with extended optional battery pack runtime options available.

## Benefits

- > High visibility graphic display gives the user an immediate view of UPS status
- > Fully compliant with international standards for VFI (IEC 62040-3) operation, providing full power protection for demanding critical applications
- > Programmable switch-off for less critical loads to maximize uptime of critical devices (load shedding)
- > Modern design fits well into an office environment
- > Available slot for SNMP plug-in card, potential-free relay contacts and RS-232/contact interface, providing maximum flexibility

## Performance Features

- > **High input power factor** (>.97) and **low input distortion** prevents disturbances to other electrical equipment, eliminating the need for costly filters or oversized feeders
- > **Compact footprint**, easily transportable, robustly designed system with low audible noise, suitable for both office and industrial environments
- > Utilizes high-frequency PWM (Pulse Width Modulation) digital control technique, resulting in extremely **low output distortion** and **fast transient response**, eliminating the need to oversize the UPS
- > Robustly designed to handle **short-circuit, high overload and overheating** conditions, reducing maintenance and service costs
- > GT Series **High Crest Factor** (3:1) capability makes it ideal for computer loads, while eliminating the need to oversize the UPS
- > **Very wide AC-input voltage** capability minimizes the need to switch to batteries, resulting in increased battery life
- > **On-line double conversion** technology eliminates power reliability problems
- > Automatic **internal bypass**
- > **UPS management software** facilitates operation and maintenance of the UPS

# 1000-3000VA Tower

## Digital Energy™ GT Series Uninterruptible Power Supply (UPS)



## Technical Specifications – UL approved

Models	GT1000T	GT1500T	GT2000T	GT3000T	GT3000T208
Rating (VA/W)	1000 / 800	1500 / 1200	2000 / 1600	3000 / 2400	3000 / 2400
Battery (V/Ah)	36 / 7	48 / 7	72 / 7	72 / 9	72 / 9
Backup Time @ 50% load (25° C)	21 min.	14 min.	21 min.	14 min.	14 min.
Option for Additional Batteries	Yes	Yes	Yes	Yes	Yes
Enclosure (Table 1)	A	B	B	B	B
Net Wgt Incl. Batteries (kg / lbs)	15 / 33	30 / 66	30 / 66	30 / 66	30 / 66
Input Voltage @ 100% load (VAC)	80-138	80-138	80-138	80-138	160-275
Input Frequency (Hz)*	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Output Voltage	100 / 110	100 / 110	100 / 110	100 / 110	160 / 208
	120	120	120	120	275
Output Frequency (Hz)*	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Number of Outlets	(4) NEMA 5-15R	(3) NEMA 5-15R (3) NEMA 5-20R (1) NEMA L5-20R	(6) NEMA 5-15R (1) NEMA L5-20R	(6) NEMA 5-15/20R (1) NEMA L5-30R	(4) NEMA 6-20R (1) NEMA L6-20R
SNMP Compatibility			Yes		
Core Voltage			120		
PWM (Pulse Width Modulation)			Yes		
Maintenance Bypass			Yes		
Internal Batteries			Yes		
Input Performance Range	Voltage (-33 to +17%); Frequency (55 to 65 Hz)				
Output Performance					
• Output THD Load	Non-Linear (< 6%); Linear (< 3%)				
• Voltage Regulation Load	Static (2%); 0-100% Step (8%)				
Overload Capability	150% for 30 Seconds				
Efficiency	> 87%				
Communications Interface	RS-232, Plug and Play, open collector alarm contacts				
Color	Front bezel: Aluminum Grey (RAL 9006); Cabinet: White (RAL 9003)				
Operating Temperature	32° F - 104° F (0° C - 40° C)				
Relative Humidity	95% non-condensing				
Audible Noise	(Table 2)				
Safety	UL 1778, CSA22.2-107, IEEE 62.41 CAT. A Lightning Safety				
EMC	FCC Class B (1kVA), FCC Class A (remaining), CISPR PUB. 22 Class A				
Enclosure	NEMA 1				

\* Auto Selectable



**Table 1**

	Height	Width	Depth
Enclosure A	9.5" (24.1 cm)	5.5" (14 cm)	14.4" (36.6 cm)
Enclosure B	14.7" (37.3 cm)	5.5" (14 cm)	16.7" (42.4 cm)

**Table 2**

Audible Noise at Unit Front	
1kVA	40dBA @ 3.3 feet (1 meter)
1.5, 2 & 3kVA	42dBA @ 3.3 feet (1 meter)



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