

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. **Extended optional battery pack** runtime options available.

Benefits

- > High visibility LED 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
- > Integrated 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
- > **PDU connectivity** on 208V systems (optional)

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	72 / 7	72 / 7	72 / 9	72 / 9
50% Load	21 min.	22 min.	21 min.	14 min.	14 min.
100% Load	6 min.	10 min.	5 min.	5 min.	5 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
Outlet (Qty) Type	(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	<ul style="list-style-type: none"> 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, CISPR PUB. 22 Class A				
Enclosure	NEMA 1				
Warranty	24 months after seller's shipment to customer				

* Auto Selectable

** Refer to Product Description publication for runtimes



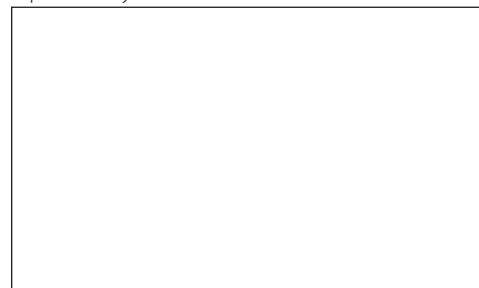
Table 1

	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)

Represented by:



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