GE Energy Digital Energy

Introduction

The GT Series Rackmount 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 GT UPS's are microprocessor- controlled, with **extended optional battery pack** runtime options available.

The GT Series is designed especially for typical rack mount demands, including long backup times and high ambient temperatures, but can be a stand-alone unit for increased versatility.

Benefits

- > Rack design provides application versatility
- > UPS height maximizes rack space
- > Easy plug-in connection of battery packs for extended runtime
- > Simple to install and operate
- > 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)
- > 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

1000-3000VA 19" Rackmount

GT Series Uninterruptible Power Supply (UPS)





Technical Specifications - UL approved

Models	GT1000R	GT1500R	GT2200R	GT3000R		
Rating (VA/W)	1000/800	1500/1200	2200/1760	3000/2400		
Battery (V/Ah)	36/7	48/7	48/9	72/9		
50% Load	21 min.	12 min.	15 min.	14 min.		
100% Load	6 min.	4 min.	5 min.	5 min.		
Option for Additional Batteries **	Yes	Yes	Yes	Yes		
Enclosure (Table 1)	С	D	D	E		
Net Wgt Incl. Batteries (kg / lbs)	19/42	24/52.8	24/52.8	34/74.9		
Input Voltage @ 100% load (VAC)	80-138	80-138	80-138	80-138		
Input Frequency (Hz)*	50/60	50/60	50/60	50/60		
Output Voltage	100/110	100/110	100/110	100/110		
	120	120	120	120		
Output Frequency (Hz) *	50/60	50/60	50/60	50/60		
Outlet (Qty) Type	(6) NEMA 5-15R	(6) NEMA 5-15R	(4) NEMA 5-20R	(4) NEMA 5-15R		
			(1) NEMA L5-20R	(4) NEMA 5-20R		
				(1) NEMA 5-30R		
SNMP Compatibility		Yes				
Core Voltage	120					
PWM (Pulse Width Modulation)	Yes					
Maintenance Bypass	Yes					
Internal Batteries	Yes					
Input Performance Range		Voltage (-33 to +17%); Frequ	iency (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)				
Certifications	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 C	3.5" (8.9 cm)	17.3" (43.9 cm)	17.7" (45 cm)
Enclosure D	3.5" (8.9 cm)	17.3" (43.9 cm)	20.7" (52.6 cm)
Enclosure E	5.2" (13.2 cm)	17.3" (43.9 cm)	19.8" (50.3 cm)

Table 2

	Audible Noise at Unit Front
1kVA	40dBA @ 3.3 feet (1 meter)
1.5 & 2kVA	45dBA @ 3.3 feet (1 meter)
3kVA	47dBA @ 3.3 feet (1 meter)



LISTED

Represented by:



imagination at work

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