

Digital Energy™ GT Series

1000-3000 VA 19" Rackmount Uninterruptible Power Supply (UPS)

The Digital Energy™ GT Series Rackmount UPS provides a high quality power protection in a cost effective manner. 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 RS232 communication and optional SNMP interfacing capabilities for all major operating systems, 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.

- > Online double conversion technology eliminates power reliability problems
- > Rack design provides application versatility
- > Rack height maximizes rack space
- > Online double conversion technology eliminates power reliability problems
- > Easy plug-in connection of battery packs for extended runtime
- > Simple to install and operate
- > Automatic internal bypass
- > Programmable switch-off for less critical loads to maximize up-time of critical devices (load shedding)

Applications Include

- > PC and Server Networks
- > EPOS
- > Network Components (Routers, Hubs)
- > Security Systems
- > Process Control



GT1000R
GT1500R
GT2000R
GT3000R



imagination at work



Features & Benefits

- > **High input power factor** (>.97) and **low input distortion** prevents disturbances to other electrical equipment, thus eliminating the need for costly filters or over-sized 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 for over-sizing the UPS
- > Robustly designed to handle **short-circuit, high overload and over-heating** conditions, thus 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 which results in increased battery life
- > Fully compliant with international standards for VFI (IEC 62040-3) operation providing full power protection for demanding critical applications
- > UPS management software facilitating operation and maintenance of the UPS
- > Available slot for SNMP plug-in card, potential-free relay contacts, and RS232/contact interface providing maximum flexibility

Technical Specifications-UL approved

| Models | GT1000R | GT1500R | GT2200R | GT3000R |
|----------------------------------|---|------------------|-------------------------------|--|
| Rating (VAW) | 1000 / 800 | 1500/1200 | 2200 / 1760 | 3000 / 2400 |
| Battery (V/Ah) | 36 / 7 | 48 / 7 | 48 / 9 | 72 / 9 |
| Backup Time @ 50% load | 14 min. | 14 min. | 14 min. | 14 min. |
| Option for Additional Batteries | Yes | Yes | Yes | Yes |
| Enclosure (Table 1) | C | 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 | | | |
| Input Frequency (Hz)* | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| Output Voltage | 100 / 110 120 | 100 / 110 120 | 100 / 110 120 | 100 / 110 120 |
| Output Frequency (Hz)* | 50 / 60 | 50 / 60 | 50 / 60 | 50 / 60 |
| Number of Outlets | 6 NEMA 5-15R | 6 NEMA 5-15R | 4 NEMA 5-20R 1 NEMA L5-20R | 4 NEMA 5-15R 4 NEMA 5-20R 1 NEMA 5-30R |
| SNMP Compatibility | Yes | | | |
| Core Voltage | 120 | | | |
| PWM | Yes | | | |
| Maintenance Bypass | Yes | | | |
| Internal Batteries | Yes | | | |
| Input Performance Range | Voltage (-33 to +17%); Frequency (55 to 65) | | | |
| Output Performance | | | | |
| Output THD Load | Non-Linear (< 6%); Linear (< 3%) | | | |
| Voltage Regulation Load | Static (2%); 0-100% Step (8%) | | | |
| Overload Capability | 150% - 30 Seconds | | | |
| Efficiency | > 87% | | | |
| Communications Interface | RS232, Plug and Play, open collector alarm contacts | | | |
| Color | Front bezel: Aluminum Grey (RAL9006); Cabinet: Pure White (RAL9010) | | | |
| Operating Temperature | 32° F - 104° F (0° C - 40° C) | | | |
| Relative Humidity | 95% non-condensing | | | |
| Audible Noise | (Table 2) | | | |
| Safety | UL1778, CSA22.2-107 | | | |
| EMC | FCC Class B (1kVA), FCC Class A (remaining) | | | |
| Enclosure | NEMA 1 | | | |

*Auto Selectable
Specifications subject to change without notice.



| Table 1 | Height | Width | Depth |
|-------------|---------------|----------------|----------------|
| inches (cm) | | | |
| 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 |
|---------------|-----------------------------|
| 1 kVA | 40dBA - 3.3 feet (1 meter) |
| 1.5 & 2 kVA-R | 45dBA - 3.3 feet (1 meter) |
| 3 kVA-R | 47dBA - 3.3 feet (1 meter) |

1 Oak Hill Center
Suite 301
Westmont, IL 60559 USA
866-433-3877

