



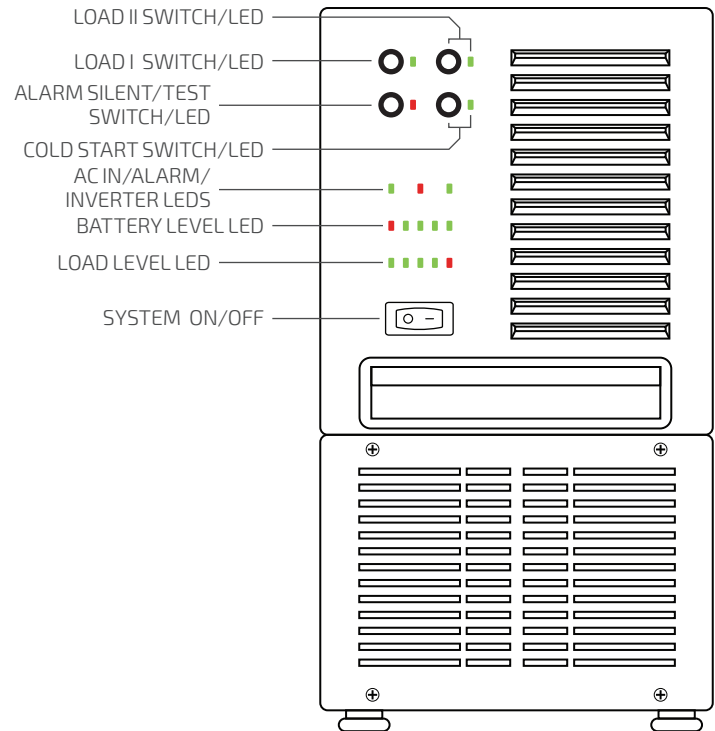
# GT Series

Globally deployable power protection



## Overview

The global Uninterruptible Power System or GT Series, features Clary's on-line double conversion technology, and is power factor corrected for a wide range of voltage inputs, (120 VAC through 240 VAC and 50/60 Hz). Computer terminals, workstations and communication equipment are typical electronic products that will benefit from Clary's GT Series protection. All GT Series systems support a variety of interfaces including Ethernet, SNMP, embedded web server and RS232. Available in tower only configurations, many custom configurations are available. Please call Clary to get a specific solution for your application.



## Features

- Communications and control interface
- Power factor correction
- True on-line technology
- Complete output power distribution
- Remote control of output receptacles
- Full microprocessor control



# Specifications

## Electrical Input

Voltage	Selectable ranges (nominal) <ul style="list-style-type: none"> <li>120/208 VAC</li> <li>120/220 VAC</li> <li>120/230 VAC</li> <li>120/240 VAC</li> </ul>
Frequency	48 Hz to 62 Hz (nominal)

## Electrical Output

Voltage	<ul style="list-style-type: none"> <li>120 VAC ±3% (standard)</li> <li>230 VAC (with optional transformer)</li> </ul>
Frequency	<ul style="list-style-type: none"> <li>50 Hz or 60 Hz</li> <li>Software selectable to sync with input utility or run at crystal controlled 50/60 Hz ±1 Hz</li> </ul>
Crest Factor Ratio	<ul style="list-style-type: none"> <li>50% load up to 4.8:1</li> <li>75% load up to 3.2:1</li> <li>100% load up to 2.4:1</li> </ul>
THD	<ul style="list-style-type: none"> <li>3.00% maximum (linear)</li> <li>5.00% maximum (non-linear)</li> </ul>
Dynamic Response	±4% for 100% step load change 0.5 ms recovery time
Overload	<ul style="list-style-type: none"> <li>110% for 10 sec</li> <li>200% for 50 ms</li> </ul>
UPS Protection	<ul style="list-style-type: none"> <li>Input and output short circuit</li> <li>Input and output overload</li> <li>Excessive battery discharge</li> </ul>

## Environmental

Temperature	0°C to +40°C (+32°F to +104°F)
Humidity	0% to 95% non-condensing
Altitude	Sea level to 10,000 ft
Noise Level	39 dBA to 42 dBA at 5 ft

## Mechanical

Input	<ul style="list-style-type: none"> <li>IEC on unit with 6 ft NEMA 5-15P (1250 - 1500 VA connectors)</li> <li>IEC on unit with 6 ft NEMA 5-20P (2000 - 2400 VA connectors)</li> </ul>
Outputs	5-15R receptacles
Cooling	Low velocity forced air

## Design

Standard Features	<ul style="list-style-type: none"> <li>Power factor corrected input</li> <li>Fully regenerative</li> <li>True on-line continuous power</li> <li>Low distortion sine wave output</li> <li>Designed for non-linear loads</li> <li>Extended brownout protection</li> <li>Inverter powers load continuously</li> <li>Continuous operation on -25% to +12% utility without draining batteries</li> <li>Automatic bypass</li> <li>AC output (2 channel load control)</li> <li>Rear mounted ground stud</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>IEEE 587/ANSI C62.4</li> <li>CUL</li> <li>UL 1778</li> <li>CE</li> </ul>
Typical Recharge Time (to 85% capacity @ 100% load)	8 hrs (more time required with extended battery option)

## Control and Indicators

Visual Indicators	<ul style="list-style-type: none"> <li>Battery level</li> <li>Load level</li> <li>AC in</li> <li>Inverter on</li> <li>Summary alarm</li> <li>Alarm silence</li> <li>Load on</li> </ul>
Switches / Control Panel	<ul style="list-style-type: none"> <li>System power</li> <li>Cold start</li> <li>Load I and II</li> <li>Test</li> <li>Alarm silence</li> </ul>
Audible Alarms	<ul style="list-style-type: none"> <li>Utility interrupt</li> <li>Inverter failure</li> <li>Overload</li> <li>Low battery</li> <li>Self test</li> </ul>
Intelligent Computer Interfaces	<ul style="list-style-type: none"> <li>RS232 data interface (DB-9)</li> <li>Full interactive remote computer monitoring and control of most features including load control (requires optional monitoring software)</li> </ul>
Contact Closures	<ul style="list-style-type: none"> <li>DB-9</li> <li>Open collector</li> </ul>

## Options

SNMP Interface	Allows full control and monitoring interface over network connection. Compatible with HP Openview™, IBM Netview™, CA Unicenter TNG™, and other major software offerings.
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## Configurations

Model	VA	Watts	Input Current	Output Current	Rating	Backup Time 100% / 50% Load	Weight	Dimensions H x W x D
GT 2400	2400	1680	18.3 A	20.0 A	2400 VA / 1680 W	5.7 minutes / 15.5 minutes	100 lb	14.1" x 6.9" x 21"
GT 2000	2000	1400	14.3 A	16.7 A	2000 VA / 1400 W	8.1 minutes / 19.8 minutes	100 lb	14.1" x 6.9" x 21"
GT 1500	1500	1050	10.7 A	12.5 A	1500 VA / 1050 W	8.1 minutes / 19.8 minutes	80 lb	14.1" x 6.9" x 21"
GT 1250	1250	875	8.8 A	10.4 A	1250 VA / 875 W	10.3 minutes / 26.5 minutes	80 lb	14.1" x 6.9" x 21"