



The Frequency Converter People Since 1950

# GEORATOR Corporation

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| <b>Triathlon III UPS Specifications - 3 Phase Input to 1 Phase Output Model, 10 KVA</b> |  |   |
|---|--|---|
| <b>Model</b>  | <b>T3UPS-31-10K</b>                        |   |
| <b>Capacity</b>   | 10 KVA                                     |   |
| <b>Input</b>  | Voltage<br>(select one individual voltage) | 3 Phase Delta 220/380/460 ± 20%<br>3 Phase Wye 190/200/208/220/230/240V ± 20%<br>3 Phase Wye 380/400/415/440/460/480V ± 20% |
|   | Frequency (select one)                     | 50 or 60 Hz ± 5% (Optional 400Hz)   |
|   | Power Walk In                              | 0-100%: 20 seconds  |
| <b>Output</b>   | Voltage<br>(select one individual voltage) | 100, 110, 115, 120, 200, 208, 220, 230, or 240V ( ± 5% adjustable)  |
|   | Voltage Regulation                         | ± 1% at Linear Load   |
|   | Phase Shift (unbal. load)                  | < 0.5 Deg.  |
|   | Frequency (select one)                     | 50 or 60Hz ±0.1 Hz (Optional 400 Hz)  |
|   | Phase                                      | 1 Phase, 2W+G (Optional 3W)   |
|   | Power Factor                               | 0.8   |
|   | Distortion (THD)                           | < 2.0% (Linear Load)  |
|   | Crest Factor                               | 3:1   |
|   | Overload Capacity                          | 125% for 15 Minutes, 150% for 10 Minutes, > 150% for 1 Minute   |
|   | Efficiency                                 | >= 91%  |
| <b>Indicators</b>   | LCD  | Real Time Status, Data or Historical Events, Parameters, Real Time Clock, Inverter & Alarm                                  |
|   | LED  | Up to date information (Status) to the User & Audible Alarm   |
| <b>Protection</b>   | Over/Under Voltage                         | Alarm   |
|   | Output Short Circuit                       | Auto-shutdown   |
|   | Overload                                   | Auto-shutdown 25 sec. later   |
|   | Over Temperature                           | Auto-shutdown   |
|   | Lightning / EMC Filter                     | Surge and Lightning Protection  |
|   | EMI/EMC                                    | EN50091-2, CE Approved  |
|   | Galvanic Isolation                         | Input & Output True Galvanic Isolation  |
| <b>Interface</b>  | Contact Closure, RS-232/485                | Supports MEGATEC RUPS, UPSilon 2000 UPS monitoring software   |
| <b>Environment</b>  | Operating Temperature                      | 0° – 40° C  |
|   | Humidity                                   | 0 - 90% Non-condensing  |
|   | Audible Noise                              | < 65 dB at 1 meter  |
| <b>Dimensions</b>   | W x H x D (mm)                             | 550*1,600*800   |
|   | W x H x D (in)                             | 21.7*63.0*31.5  |
| <b>Weight *</b>   | Kilograms                                  | 380.0   |
|   | Pounds                                     | 837.8   |
| <b>Battery</b>  | Type - Quantity                            | HR1234W - 29 ea.  |
| <b>Backup Time **</b>   | Minutes - Minimum                          | 10 min.   |
| <b>Battery Weight</b>   | Kilograms                                  | 85.0  |
|   | Pounds                                     | 187.4   |

\* Weights based on 220/380V IN and 220V OUT. Weights may vary based on input/output frequency/voltage

\*\* Longer backup times (to 8 hours) are available from standard models; custom specifications also available.