

ZGR TOWER PRO 6 - 10 KVA

ONLINE SINGLE-PHASE UPS



ZGR TOWER PRO

double conversion
online technology to
protect your installation
with maximum
efficiency (PF1,0).

In this range of equipments there are 6 and 10 kVA available models with parallel function included up to 4 units. This feature allows a gradual upgrade of user installation without the need to invest in a new UPS.

It also integrates Frequency Converter function that enables to adapt the operating frequency in different countries 50 / 60Hz.

Ideal for business continuity applications that require long battery operation.

It is possible to extend autonomy several hours using the LBT versions with reinforced battery charger.



APPLICATIONS



INDUSTRY



EMERGENCY



DOMESTIC USE



DATA CENTERS



RAILWAY SECTOR

CHARACTERISTICS

- » Power Factor of 1,0
- » Parallelable up to 4 units
- » Can be configured as common battery
- » Pure sinewave output
- » SNMP communications card and dry contacts *
- » 3-level smart charger
- » LCD display
- » ECO function with performance > 96%
- » Cold Start and Auto Restart function
- » Self battery and UPS diagnosis

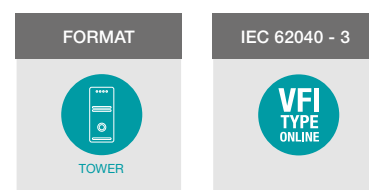
- » Double conversion online (Rectifier / Inverter)
 - It completely isolates consumer loads from mains voltage and frequency variations and noise.
- » Long autonomy models available
- » Management and monitoring
 - Via software
 - USB / RS232 connection
- » EPO (Emergency Power OFF) function
 - Rear panel terminal or front panel button
- » Frequency converter function

* Optional

ZGR TOWER PRO ONLINE SINGLE-PHASE UPS

| TECHNICAL SPECIFICATIONS | | |
|--|---|--------------------|
| Model | ZGR TOWER PRO 6 | ZGR TOWER PRO 10 |
| Power | 6kVA / 6kW | 10kVA / 10kW |
| Power factor | 1,0 | |
| INPUT ELECTRICAL CHARACTERISTICS | | |
| Voltage range | 120 - 276Vac (allows use with generators) | |
| Frequency | 45 - 65Hz (auto detect) | |
| Power factor | 0,99 | |
| THDi (100% load) | < 3 % lineal | |
| OUTPUT ELECTRICAL CHARACTERISTICS | | |
| Nominal voltage | 220 / 230 / 240Vac | |
| Frequency (battery mode) | 50 / 60 Hz ± 0,02Hz | |
| Waveform (battery mode) | Pure sine | |
| Harmonic distortion THD (100% load) | < 2 % lineal / < 4 % non lineal | |
| Transfer time | 0 ms battery / 0 ms bypass | |
| Permissible peak current | 3:1 | |
| Overcharge | 1 mins < 130 % , 300 ms > 150 % | |
| EFFICIENCY | | |
| Inverter mode | 93 % | |
| BATTERY | | |
| Type / Capacity | 12 V Pb / Depends on autonomy | |
| Charge time | 6 - 8h / 90 % | |
| Protection | Overload and deep discharge | |
| Autonomy | 10 mins to several hours (expandable with additional battery packs) | |
| MONITORIZATION | | |
| Informative | LED + LCD display | |
| Alarms | Acoustic depending on alarm | |
| Software | Windows / Linux / MAC | |
| CONNECTIONS | | |
| Input | Terminal panel | |
| Output | Terminal panel | |
| Communication | USB y RS232 (Monitorization software) | |
| Intelligent port | Yes (SNMP optional / dry contacts) | |
| FUNCTIONS | | |
| ON/OFF with battery (Cold Start) | Yes (allows to operate the UPS without mains power) | |
| Auto Restart | Yes (restart the UPS functions after a failure or deep battery discharge) | |
| EPO (Emergency Power OFF) function | Back panel contacts | |
| Paralellable | Yes (up to 4 units) | |
| Frequency converter 50 - 60 Hz | Yes | |
| Programmable outputs | No | |
| MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS | | |
| Protection switches | Yes | |
| Cooling | Forced fan cooling (PWM variable speed) | |
| Operation temperature | 0 - 40 °C | |
| Noise level (at 1m) | < 55 dB | |
| Relative humidity | 0 - 95 % without condensation | |
| Dimensions (WxHxD) | 191 x 720 x 460 mm | 191 x 720 x 460 mm |
| Approx. Weight | 60 kg | 61 kg |
| Long backup model dimensions (WxHxD) | 191 x 330 x 405 mm | 191 x 330 x 405 mm |
| Long backup model approx. weight | 11 kg | 12 kg |

* These specifications may change without notice.



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