

ZGR TOWER PRO 6 - 10 KVA

ONLINE SINGLE-PHASE UPS



ZGR TOWER PRO

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

In this range of equipments there are 6 and 10 kVA available models with parallel technology of 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 the Frequency Converter function that enables to adapt the operating frequency in different countries 50 / 60 Hz.

Ideal for business continuity applications that require long battery operation.

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



PF 1.0

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 of operating state
- » Double conversion online (Rectifier/Inverter)
It completely isolates customer loads from mains voltage, frequency and noise variations.
- » Long range models available
- » Management and monitoring
 - Via software
 - USB / RS232 connection
- » EPO function (Emergency Power OFF)
 - 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) single phase	
Frequency	45 - 65Hz (auto detecting)	
Power factor	0,99	
THDi (100% load)	< 3 % linear	
OUTPUT ELECTRICAL CHARACTERISTICS		
Nominal voltage	220 / 230 / 240Vac single phase	
Frequency (battery mode)	50 / 60 Hz ± 0,02 Hz	
Waveform (battery mode)	Pure sinewave	
Harmonica distortion THD (100% load)	< 2 % linear / < 4 % non linear	
Transfer time	0 ms battery / 0 ms bypass	
Permissible peak current	3:1	
Overcharge	105..110 % 10 min. / 110..130 % 1 min. / ≥130% 0,2 sec.	
EFFICIENCY		
Inverter mode	Up to 93 %	
BATTERY		
Type / Capacity	12 V Pb / Depends on autonomy	
Charge time	6 - 8h / 90 %	
Protection	Overload / deep discharge / short-circuit / temperature	
Autonomy	10 mins up to several hours (extendable with additional battery modules)	
MONITORING		
Informative	LED + LCD display	
Alarms	Acoustics depending on alarm	
Software	Windows / Linux / MAC	
CONNECTIONS		
Input	Terminal panel	
Output	Terminal panel	
Communication	USB and RS232 (software monitoring)	
Intelligent port	Yes (SNMP optional / dry contacts)	
FUNCTIONS		
On/OFF with battery (Cold Start)	Yes (allows UPS to run without mains power)	
Auto Restart	Yes (restarts UPS functions after a failure or deep battery discharge)	
EPO Function (Emergency Power OFF)	Contacts in rear panel	
Paralleable	Yes (up to 4 units)	
Frequency converter 50-60Hz	Yes	
Programmable outputs	No	
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS		
Protection switches	Yes	
Cooling	Forced with fans (PWM speed control)	
Operation temperature	0 - 40 °C	
Noise level (at 1 m)	< 55 dB	
Relative humidity	0 - 95 % without condensation	
Dimensions (WxHxL)	191 x 720 x 460 mm	191 x 720 x 460 mm
Weight approx.	60 kg	61 kg
Dimensions for models long range (W x D x H)	191 x 330 x 405 mm	191 x 330 x 405 mm
Weight approx. for models long range	11 kg	12 kg
STANDARDS		
Marking	CE	
Directives	Low voltage directive: 2014/35/EU, EMC directive: 2014/30/EU	
Standards	Safety: EN 62040-1, EMC: EN 62040-2, Accordance: EN 62040-3	

* These specifications may change without notice.



LBT models with customizable autonomy

FORMAT



TOWER

IEC 62040 - 3



VFI
TYPE
ONLINE

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