

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

ZGR TOWER PRO 6 - 10 KVA

ONLINE SINGLE-PHASE UPS

PF 1.0



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.

Applications



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

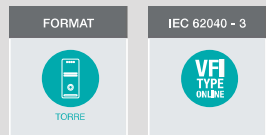
ZGR TOWER PRO 6-10 KVA ONLINE SINGLE-PHASE UPS

TECHNICAL SPECIFICATIONS		
Model	ZGR TOWER PRO 6	ZGR TOWER PRO 10
Power	6 kVA / 6 kW	10 kVA / 10 kW
Power factor	1.0	
INPUT ELECTRICAL CHARACTERISTICS		
Voltage range	165 - 276 Vac (allows use with generators) single phase	
Frequency	45 - 65 Hz (auto detecting)	
Power factor	0,99	
THDi (100% load)	< 3 % linear	
OUTPUT ELECTRICAL CHARACTERISTICS		
Nominal voltage	220 / 230 / 240 Vac 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	
Parallelable	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°C ~ +40°C	
Noise level (at 1 m)	< 55 dB	
Relative humidity	0 - 95 % without condensation	
Dimensions (WxHxL)	191 x 720 x 483 mm	191 x 720 x 483 mm
Weight approx.	69 kg	77 kg
Dimensions for models long range (W x D x H)	191 x 330 x 410 mm	191 x 330 x 410 mm
Weight approx. for models long range	12 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	



LBT models with customizable autonomy

These specifications may change without notice



ZGR TOWER PRO 6-10 KVA ONLINE SINGLE-PHASE UPS