

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



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

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 - 276Vac (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 %
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BATTERY

Type / Capacity	12 V Pb / Depends on autonomy
Charge time	6 - 8h / 90 %
Protection	Overload / deep discharge / short-circuit / temperature
Autonomy ⁽¹⁾	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 335 x 410 mm	191 x 335 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

(1) Commercial autonomy. The autonomy can vary widely depending on the applied consumption. Contact us for customized autonomies. These specifications may change without notice



LBT models with customizable autonomy

