

# ZGR TOWER PRO 1 - 3 KVA

ONLINE SINGLE-PHASE UPS



always ON

## ZGR TOWER PRO

double conversion  
Online technology for  
maximum reliability  
and protection.

PF 0.9



ZGR TOWER PRO uses double conversion Online technology that completely isolates mains voltage and frequency variations and interferences that may appear in the power grid, providing high-quality voltage and frequency to your devices.

They are tower format, include automatic self-test and three optimized battery charge levels, in addition to ECO Mode.

Ideal for business continuity applications that require long battery operation.

It is possible to extend the autonomy several hours using the LBT (Long Back up Time) model with a reinforced battery charger.

## APPLICATIONS



INDUSTRY



EMERGENCY



DOMESTIC USE



DATA CENTERS

## CHARACTERISTICS

- » Power factor of 0,9
- » Pure sinewave output
- » Intelligent Port for SNMP communications\*
- » Long autonomy models
- » 1, 2 and 3 kVA powers
- » 3-level intelligent charger
- » LCD display
- » ECO function with performance > 96 %
- » Cold Start and Auto Restart Function
- » Management and monitoring via software
- » 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 from the power grid.
- » EPO function (Emergency Power OFF)  
By contact on the rear panel or button on the front.
- » Programmable output off function  
Guarantees autonomy for priority loads.
- » Frequency conversion function

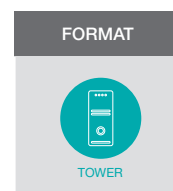
ZGR TOWER PRO ONLINE SINGLE-PHASE UPS

TECHNICAL SPECIFICATIONS			
Model	ZGR TOWER PRO		
Power	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W
Power factor	0,9		
INPUT ELECTRICAL CHARACTERISTICS			
Voltage range	162 - 290 Vac (allows use with generators) single phase		
Frequency	45 - 65 Hz (auto detecting)		
Power factor	> 0,98		
OUTPUT ELECTRICAL CHARACTERISTICS			
Nominal voltage	220 / 230 / 240 Vac single phase		
Frequency (battery mode)	50 / 60 Hz $\pm$ 0,02 Hz		
Waveform (battery mode)	Pure sinewave		
THD harmonic distortion (100% load)	< 3 % linear / < 5 % non linear		
Transfer time	0ms battery / < 4 ms bypass		
Permissible peak current	3:1		
EFFICIENCY			
Inverter mode	Up to 92 %		
BATTERY			
Type / Capacity	24V / 9 Ah (36V -LBT)	48V / 9 Ah (72V -LBT)	72V / 9 Ah (96V -LBT)
Charge time	5 h / 90 %		
Protection	Overload and deep discharge		
Autonomy	10 min up to various hours (expandable with additional battery modules)		
MONITORING			
Informative	LED + LCD display		
Alarms	Acoustics depending on alarm		
Software	Windows / Linux / MAC		
CONNECTIONS			
Input	1x IEC / 1x Anderson (for long autonomy batteries)		
Output equipment internal battery	4x IEC (2 programmable)	8x IEC (4 programmable)	8x IEC (4 programmable)
Output LBT equipment	4x IEC (2 programmable)	4x IEC (2 programmable)	4x IEC (2 programmable)
Protection	Modem / LAN RJ45 (optional)		
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)		
Parallelabale	No		
Frequency converter 50 - 60 Hz	Yes		
Programmable outputs	Yes		
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS			
Cooling	Forced fan cooling (PWM speed control)		
Operation temperature	0 - 40 °C		
Noise level (at 1 m)	< 50 dB		
Relative humidity	0 - 95 % without condensation		
Dimensions (WxHxL)	144 x 209 x 293 mm	144 x 209 x 399 mm	191 x 337 x 460 mm
Weight approx.	9,1 kg	16,3 kg	24,7 kg
Dimensions models long range (W x D x H)	144 x 209 x 293 mm	144 x 209 x 399 mm	144 x 209 x 399 mm
Weight approx. models long range	4,3 kg	6,4 kg	6,5 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



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