

ZGR TOWER PRO 1 - 3 KVA

ONLINE SINGLE-PHASE UPS



always ON

ZGR TOWER PRO

double conversion
online technology for
maximum reliability
and protection.

ZGR TOWER PRO uses double conversion Online technology that completely isolates mains voltage and frequency variations providing a high quality power 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 models
- » 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

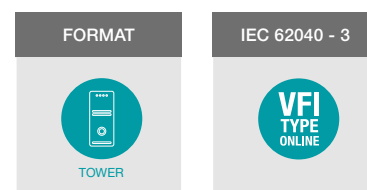
- » Double conversion online (Rectifier / Inverter)
 - It completely isolates customer loads from mains voltage and frequency variations and noise.
- » Programmable output
 - Guarantees autonomy to priority loads.
- » Frequency converter function

* Optional

ZGR TOWER PRO ONLINE SINGLE-PHASE UPS

TECHNICAL SPECIFICATIONS			
Model	ZGR TOWER PRO 1	ZGR TOWER PRO 2	ZGR TOWER PRO 3
Power	1000VA / 900W	2000VA / 1800W	3000VA / 2700W
Power factor	0,9		
INPUT ELECTRICAL CHARACTERISTICS			
Voltage range	162 - 290Vac (allows use with generators)		
Frequency	45 - 65 Hz (auto detect)		
Power factor	> 0,98		
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)	< 3 % lineal / < 5 % non lineal		
Transfer time	0ms battery / < 4 ms bypass		
Permissible peak current	3:1		
EFFICIENCY			
Inverter mode	90 %		
BATTERY			
Type / Capacity	24 V / 9 Ah (36 V -LBT)	48 V / 9 Ah (72 V -LBT)	72 V / 9 Ah (96 V -LBT)
Charge time	5 h / 90 %		
Protection	Overload and deep discharge		
Autonomy	10 mins to several hours (expandable with additional battery packs)		
MONITORIZATION			
Informative	LED + LCD screen		
Alarms	Acoustic depending on alarm		
Software	Windows / Linux / MAC		
CONNECTIONS			
Input	1x IEC / 1x Anderson (for long autonomy batteries)		
Output	8x IEC (4 programmable)		
Protection	Modem / LAN RJ45 (opcional)		
Communication	USB and 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)		
Paralellable	No		
Frequency converter 50 - 60 Hz	Yes		
Programmable outputs	Yes		
MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS			
Cooling	Forced fan cooling		
Operation temperature	0 - 40 °C		
Noise level (at 1m)	< 50 dB		
Relative humidity	0 - 95 % without condensation		
Dimensions (WxHxD)	144 x 209 x 293 mm	144 x 209 x 399 mm	191 x 337 x 460 mm
Approx. Weight	9,1 kg	16,3 kg	24,7 kg
Long backup model dimensions (WxHxD)	144 x 209 x 293 mm	144 x 209 x 399 mm	144 x 209 x 399 mm
Long backup model approx. weight	4,3 kg	6,4 kg	6,5 kg

* These specifications may change without notice.



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