

# ZGR EFFICIENT R 6 - 10 KVA

ONLINE SINGLE-PHASE UPS



always ON

PF 1.0

**ZGR EFFICIENT R**  
maximum efficiency  
supply for critical  
systems.

ZGR EFFICIENT R goes one step further, and seeks to meet the needs of customers with greater demand for protected power in 6 and 10 kVA versions, providing the best power solution for vital applications and critical devices that require maximum reliability and efficiency thanks to its Power Factor 1,0 and efficiency up to 93,5%

It also supports parallel of up to 4 units for greater versatility and growth according to the evolution of load consumption in your installation.

Perfect for protecting industrial applications, servers, banks, IT equipment and networks.



## APPLICATIONS



INDUSTRY



EMERGENCY



DOMESTIC USE



DATA CENTERS



RAILWAY SECTOR

## CHARACTERISTICS

- » Power factor 1,0
- » Parallelable up to 4 units
- » Common battery configurable
- » Communications card and dry contacts
- » Pure sinewave output
- » Efficiency up to 93,5 %
- » 3-level smart charger
- » LCD display
- » Cold Start and Auto Restart function
- » Self battery and UPS diagnosis
- » Frequency converter function
- » Long autonomy models
- » Management and monitoring
  - Via software
  - USB / RS232 connection
- » EPO (Emergency Power OFF) function
  - Rear panel or front panel button
- » ECO function
  - Minimizes UPS self consumption
- » Double conversion online

\* Optional

ZGR EFFICIENT R ONLINE SINGLE-PHASE UPS

TECHNICAL SPECIFICATIONS		
Model	ZGR EFFICIENT R 6	ZGR EFFICIENT R 10
Power	6 kVA / 6 kW	10 kVA / 10 kW
Power factor	1,0	
Format	Rack	
INPUT ELECTRICAL CHARACTERISTICS		
Voltage range	120 - 276 Vac (allows use with generators)	
Frequency	45 - 65 Hz (auto detect)	
Input power factor	0,99	
THDi (100% load)	< 3 % lineal, < 5 % non lineal	
OUTPUT ELECTRICAL CHARACTERISTICS		
Nominal voltage	208 / 220 / 230 / 240 Vac	
Frequency (battery mode)	50 / 60 Hz $\pm$ 0,01 Hz	
Waveform (battery mode)	Pure sinewave	
Harmonic distortion THD (100% load)	< 3 % lineal / < 5 % non lineal	
Transfer time	0ms battery / 0 ms bypass	
Permissible peak current	3:1	
Overload	105..110% - 10 min. / 110..130% - 1 min. / $\geq$ 130% 1 s.	
EFFICIENCY		
Inverter mode	Up to 93,5 %	
BATTERY		
Battery voltage	192 / 216 / 240 V (selectable)	
Hot Swap	Yes (battery pack)	
Recharge time	6 - 8 h / 90% (from full discharge condition)	
Protection	Overload, deep discharge, shortcircuit	
Autonomy	10 mins to several hours (expandable with additional battery packs)	
MONITORIZATION		
Informative	LED + LCD display	
Alarms	Acoustic depending on alarm	
Software	Windows / Linux / MAC	
CONNECTIONS		
Input	Terminal panel	
Output	Terminal panel	
Communication	USB, RS232	
Intelligent port	Yes (SNMP / dry contact cards optional)	
FUNCTIONS		
ON/OFF with battery (Cold Start)	Yes (allows to operate the UPS without mains power)	
Auto Restart	Yes (restart the UPS functions after mains failure or deep battery discharge)	
EPO (Emergency Power OFF) function	Back panel contact	
Parallelable	Yes (up to 4 units)	
Frequency converter 50 - 60 Hz	Yes	
MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS		
Protection switches	Yes	
Cooling	Forced fan cooling (PWM speed control)	
Operation temperature	0 - 40 °C	
Noise level (at 1m)	< 55 dB	
Relative humidity	0 - 95% without condensation	
Dimensions (WxHxD)	440 x 88 x 675 mm	440 x 88 x 675 mm
Approx. Weight	14 kg	18 kg

\* These specifications may change without notice.

IEC 62040 - 3



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