

# ZGR STEADY 1000-1500-2000 VA

## UPS LINE-INTERACTIVE

**ZGR STEADY** is the range that improves power reliability of your critical devices with a pure sinus wave

ZGR STEADY series offers an UPS solution with high efficiency level and confidence for all critical devices that need continuity and reliability in the power supply. They have very compact tower format to save space in server rooms, small offices and household use.

Likewise, the technology provided is Line-interactive through AVR technology and managed by microprocessor. It allows eliminating electrical grid fluctuations and keeps output voltage stable with pure sinewave, which is the best quality to power all types of loads, even the most sensitive to small power outages.

Thanks to AVR a lower use of the batteries is obtained, increasing their useful life and their availability to 100 % in case of intervention.

Its pure sine waveform output reduces the cost of complex filters and the electromagnetic interference (EMI).

For an intuitive use, it has a LCD display with all the information (input / output voltage, % of charge, % of battery, ...) and also, it has connectivity via USB interface with HID protocol, for use with monitoring software.



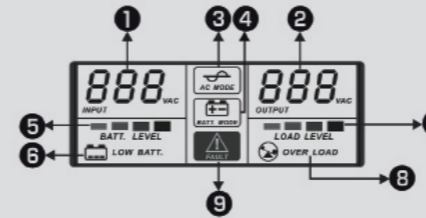
### Applications



### Characteristics

- Available powers 1000 / 1500 / 2000 VA
- Pure sinewave allows you to connect equipment that is not exclusively intended for the IT sector, so the range of uses is extended
- Automatic restart after electrical grid failure
- Output stabilization with AVR system and EMI filters for the suppression of interference from the grid
- Cold Start function in mains absence
- LCD display
- IEC sockets and adapter wire included
- Communications: RS232 and USB
- Monitoring and control software off (shutdown)
- Self-diagnosis for battery and UPS operating state
- Compatible with APFC equipment power without non power factor correction

### Display



- 1 - Input voltage
- 2 - Output voltage
- 3 - Online mode
- 4 - Battery mode
- 5 - Battery level
- 6 - Battery low alarm
- 7 - Load level
- 8 - Overcharge alarm
- 9 - General alarm

### TECHNICAL SPECIFICATIONS

Model	ZGR STEADY 1000	ZGR STEADY 1500	ZGR STEADY 2000
Power	1000VA / 700W	1500VA / 1050W	2000VA / 1400W

### INPUT ELECTRICAL CHARACTERISTICS

Voltage range	170 - 280 Vac (allows use with generators) single phase
Frequency	50 / 60 Hz ± 10 %

### OUTPUT ELECTRICAL CHARACTERISTICS

Nominal voltage	220 / 230 / 240 Vac single phase
Frequency (battery mode)	50 / 60 Hz ± 1 %
Waveform (battery mode)	Pure sinewave
Transfer time	Typical 2 - 6 ms / 10 ms max

### BATTERY

Type / Capacity	2x 12V / 7 Ah	2x 12V / 9Ah	2x 12V / 9 Ah
Charge time	6 - 8 h / 90 %		
Protection	Overload and deep discharge		
Autonomy <sup>(1)</sup>	10 mins (depends on consumption and battery status)		

### MONITORING

Informative	LCD display
Alarms	Acoustics depending on alarm
Software	Windows / Linux / MAC

### CONNECTIONS

Input	1 x IEC		
Output	4 x IEC	6 x IEC	6 x IEC
Protection	Modem / LAN RJ45		
Communication	USB and RS232 (software monitoring)		

### 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)

### ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS

Cooling	Natural convection	Fan	
Operation temperature	0°C ~ +40°C		
Noise level (at 1 m)	< 45 dB	< 55 dB	
Relative humidity	0 - 95 % without condensation		
Dimensions (WxHxL)	148 x 160 x 350 mm	158 x 198 x 380 mm	158 x 198 x 380 mm
Weight approx.	8.6 kg	11.5 kg	12.3 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

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



Green Power design that minimizes self consumption during normal operation  
Battery charging system even with the UPS turned OFF

