

# ZGR INFLUENCE 10 – 40 KVA

## ONLINE THREE-PHASE UPS

**ZGR INFLUENCE 3:3** advanced and compact three-phase technology with efficiency of up to 94,5%

ZGR INFLUENCE consists of a small size UPS, in tower format and available in 10, 15, 20, 30 and 40 kVA models with three-phase input and output.

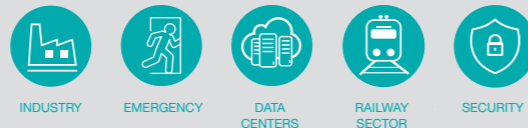
The ZGR INFLUENCE series incorporates the most advanced DSP technologies (digital signal processor), 3-level intelligent charger and a 7" colour touch screen display, where the UPS status in an intuitive way and direct without the need for external software.

It is paralleable up to 4 units common battery setup and thus occupying a small footprint, being one of the solutions with the smallest dimensions on the market.

*Special configurations consult.*



### Applications



### Characteristics

- Power factor of 0.9
- Efficiency up to 94.5 %
- Paralleable up to 4 units
- Possibility of sharing same batteries in parallel equipment
- Graphic display 7" TFT colour touch screen
- Compatible with generator sets
- Online double conversion with DSP control
- Low current distortion
- Possibility of long autonomies
- Configurable periodic battery test
- Configurable battery voltage
- Cold Start and Auto Restart function
- 2 independent bays for smart cards and dry contacts alarms
- Integrated input / output / bypass MCB protections

TECHNICAL SPECIFICATIONS					
Model	ZGR INFLUENCE 10	ZGR INFLUENCE 15	ZGR INFLUENCE 20	ZGR INFLUENCE 30	ZGR INFLUENCE 40
Power	10 kVA / 9 kW	15 kVA / 13,5 kW	20 kVA / 18 kW	30 kVA / 27 kW	40 kVA / 36 kW
Power factor	0.9				
Format	Tower				
INPUT ELECTRICAL CHARACTERISTICS					
Voltage range	208 - 478 Vac (allows use with generators) 3 phases + N + PE				323 - 478 Vac
Frequency	45 - 65 Hz (auto detecting)				
Power factor in input	0.99				
THDi (100 % load)	< 3 % non linear				
OUTPUT ELECTRICAL CHARACTERISTICS					
Nominal voltage	380 / 400 / 415 Vac (3 phases + N + PE) ± 1 %				
Frequency (battery mode)	50 / 60 Hz ± 0,1 Hz				
Waveform (battery mode)	Pure sinewave				
THD harmonic distortion (100 % load)	< 2 % linear / < 4 % non linear				
Transfer time	0 ms battery / 0 ms bypass				
Permissible peak current	3:1				
Overcharge (Online)	60 min < 110 %, 10 min < 125 %, bypass >150 %				
Overcharge (Battery)	10 min < 110 %, 1 min < 125 %, off > 150 %				
EFFICIENCY					
Inverter mode	Up to 93.5 %			Up to 94.5 %	
BATTERY					
Maximum charger current	10 A	10 A	10 A	20 A	20 A
DC bus voltage	192 / 216 / 240 Vdc				384 - 480 Vdc
Autonomy <sup>(1)</sup>	Customizable from 5 minutes to several hours (depends on the battery capacity)				
MONITORING					
Informative	LED + 7" colour touch screen				
Alarms	Acoustics depending on alarm (optional potential-free contacts)				
Software	Windows				
CONNECTIONS					
Terminal panel	Input / Output / Bypass / Battery				
Protection switch	Input / Output / Bypass				Input
Bypass Maintenance switch (MCB)	20 A	32 A	40 A	63 A	80 A
Bypass input (Dual input)	No (optional)				
Communication	USB / RS232 / RS485 (no simultaneously)				
Intelligent port	2 bays (optional SNMP / dry contact)				
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)				
ECO mode	Yes				
EPO Function (Emergency Power OFF)	Rear panel terminals				
Paralleable	Yes (up to 4 units)				
Performance limit bypass	Configurable				
Frequency converter 50 - 60Hz	Yes				
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS					
Cooling	Forced with fans (PWM speed control)				
Operation temperature	0°C - +40°C				
Noise level (at 1 m)	< 55 dB				< 58 dB
Relative humidity	0 - 95 % without condensation				
Dimensions (WxHxL)	250 x 878 x 880 mm				
Weight approx.	57 kg	63 kg	65 kg	71 kg	73 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

