

# ZGR INFLUENCE HP 50 - 200 kVA

## ONLINE THREE-PHASE UPS

**ZGR INFLUENCE HP 3:3** advanced and efficient three-phase technology up to 95,5%

ZGR INFLUENCE HP expands options with a range from 50 kVA to 200 kVA and improves its technology with a 3-stage inverter, which results in a lower power loss in conversion and achieves an efficiency of up to 95,5%.

Great efficiency for this series of small UPS.

In this power range, ZGR INFLUENCE HP offers an PF 1,0 for your consumption which makes it suitable for all types of installations that demand high energy quality and seek the best energy efficiency.

It is an ideal equipment to protect Industry processes, hospitals, data centers, transportation, emergencies and security.

They are available in Dual input version that allows a three-phase auxiliary bypass grid.



HP 50 - 60

HP 80 - 200

PF 1.0

### Applications



### Characteristics

- 3:3 and optional double input
- Efficiency of 95.5 %
- Parallelable up to 4 units
- Possibility of sharing same batteries in parallel equipment
- Compatible with NiCd / Li (on request)
- Online double conversion with DSP control
- Low current distortion
- Possibility of long autonomies
- Compatible with generators sets
- Configurable battery voltage
- Cold Star and Auto Restart function
- Integrated input/output/bypass MCB protections
- Double conversion online (Rectifier/Inverter)
  - Completely insulates the consumption of voltage, frequency and noise variations from the power grid
- ECO function
  - Minimizes UPS's self-consumption and improves performance
- Communications
  - 2 independent bays for smart cards and dry contacts alarms
  - Communication software included
- Grid Backup Function
  - Allows 2 groups in parallel with 2 independent three-phase grids

TECHNICAL SPECIFICATIONS							
Model	INFLUENCE HP 50	INFLUENCE HP 60	INFLUENCE HP 80	INFLUENCE HP 100	INFLUENCE HP 120	INFLUENCE HP 150	INFLUENCE HP 200
Power	50 kVA / 50 kW	60 kVA / 60 kW	80 kVA / 80 kW	100 kVA / 100 kW	120 kVA / 120 kW	150 kVA / 150 kW	200 kVA / 200 kW
Power factor	1.0						
Format	Tower / Cabinet						
INPUT ELECTRICAL CHARACTERISTICS							
Voltage range	305 - 485 Vac (allows use with generators) 3 phases + N + PE						
Frequency	40 - 70 Hz (auto detecting)						
Power factor	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)	< 1 % linear / < 3 % non linear						
Transfer time	0 ms battery / 0 ms bypass						
Permissible peak current	3:1						
Overcharge (Online)	<110% - 60 min. / <125% - 10 min. / 150% 1 min. * Ask						
EFFICIENCY							
Inverter mode	Up to 96 %						
BATTERY							
Maximum charger current	20 A		40 A		60 A		
DC bus voltage	384 - 600 Vdc						
Temperature sensor	External sensor (optional)						
Autonomy <sup>(1)</sup>	Customizable from 5 minutes to several hours (depends on the battery capacity)						
MONITORING							
Informative	7" colour TFT 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						
Bypass Maintenance switch (MCB)	100 A	125 A	200 A	200 A	250 A	320 A	320 A
Bypass input (Dual input)	Yes (principal + bypass)						
Communication	USB / RS232 / RS485 (no simultaneously)						
Intelligent port	2 bays (optional SNMP / optional 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						
Emergency Power Off function (EPO)	Rear panel terminals						
Parallelable	Yes (up to 4 units)						
Master/Slave function (LBS)	It enables grouping parallels Master / Slave and control the network switch (STS)						
Bypass operation limits	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)	< 58 dB	< 60 dB	< 61 dB	< 63 dB	< 63 dB	< 66 dB	< 68 dB
Relative humidity	0 - 95 % without condensation						
Dimensions (WxHxL)	250 x 875 x 880 mm		442 x 1200 x 850 mm		442 x 1200 x 850 mm		
Weight approx.	80 kg	83 kg	144 kg	147 kg	155 kg	190 kg	230 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

