

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

# ZGR INFLUENCE HP 50 - 200 kVA

## ONLINE THREE-PHASE UPS

PF 1.0

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 FP 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

### 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

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### TECHNICAL SPECIFICATIONS

	INFLUENCE HP 50	INFLUENCE HP 60	INFLUENCE HP 80	INFLUENCE HP 100	INFLUENCE HP 120	INFLUENCE HP 150	INFLUENCE HP 200
Model	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	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	0ms battery / 0ms bypass
Permissible peak current	3:1
Overcharge (Online)	<110% - 60 min., / <125% - 10 min., / 150% 1 min. * Ask

### EFFICIENCY

Inverter mode	Up to 96 %
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### BATTERY

Maximum charger current	20 A	40 A	60 A
DC bus voltage	384 - 600 Vdc		
Temperature sensor	External sensor (optional)		
Autonomy	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 simultaneous)						
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

*These specifications may change without notice*



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