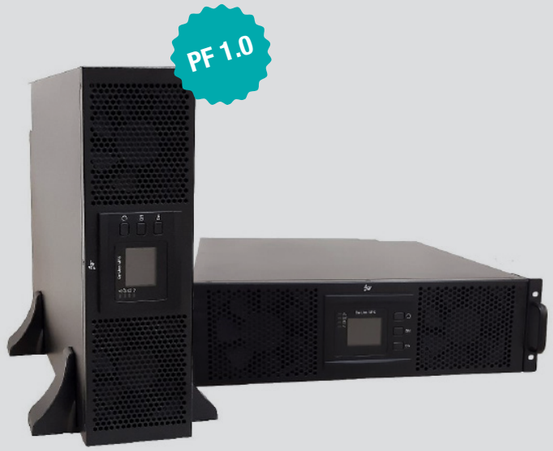
ZGR VERSATILE RT 10 KVA
ONLINE THREE-PHASE UPS

ZGR VERSATILE R 3:1 1:1 is our flexible three-phase / single-phase bet. Convertible Rack/Tower

ZGR VERSATILE R is our bet on 10 kVA power and Rack format (3U) that best suits your space limitations and also allows its integration into 19” cabinet.

The ZGR VERSATILE R series seeks to optimize your investment in a UPS and, among other possible functionalities, allows connection to both single-phase and future expansion to three-phase grid.

It is designed for paralleling up to 4 units to enable a gradual upgrade according to your protected power needs thanks to Double Conversion technology and a high efficiency up to 93,5%.



Applications

INDUSTRY · EMERGENCY · DATA CENTERS · RAILWAY SECTOR · SECURITY

Characteristics

- Power factor of 1.0
- Convertible 3:1 / 1:1
- Parallelable up to 4 units
- Online double conversion with DSP control
- Intuitive display TFT 2,4” color
- Low current distortion
- Customizable autonomy
- Compatible with generators sets
- Periodic battery test configurable
- Possibility of sharing same batteries in parallel equipment
- Estimated battery life time on display
- Connection terminals on rear panel
- Cold Start
  - It allows UPS operation even without mains power
- ECO function
  - Minimizes UPS self-consumption and improves efficiency
- Communications
  - Smart cards bay: SNMP, dry contacts
  - Communication software included

TECHNICAL SPECIFICATIONS	
Model	ZGR VERSATILE R
Power	10kVA / 10kW
Power factor in input	1.0
Format	Rack
INPUT ELECTRICAL CHARACTERISTICS	
Voltage range	120 - 276 Vac single phase / 208 - 478 Three-phase Vac
Frequency	40 - 70 Hz (auto detecting)
Power factor in input	0.99
THDi (100 % load)	< 5 % non linear
OUTPUT ELECTRICAL CHARACTERISTICS	
Nominal voltage	220 / 230 / 240 Vac single phase
Frequency (battery mode)	50 / 60 Hz ± 0.2 Hz
Waveform (battery mode)	Pure sinewave
THD harmonic distortion (100 % load)	< 2 % linear / < 5 % 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. / ≥ 150% 0.2 sec.
Overcharge (Battery)	105..110% - 10 min. / 110..130% - 1 min. / ≥ 130% 0.2 sec.
EFFICIENCY	
Inverter mode	Up to 93.5 %
BATTERY	
Maximum charger current	14 A
Battery bus voltage	192 / 216 / 240 Vdc (selectable) (1)
Autonomy (1)	Customizable according to battery capacity
MONITORING	
Informative	Intuitive display TFT 2,4” color
Alarms	Acoustics depending on alarm (optional potential-free contacts)
Software	Windows
CONNECTIONS	
Terminal panel	Input / Output / Battery
Protection switch	Optional (module PDU distribution)
Separate bypass input (Dual input)	No
Communication	RS232
Intelligent port	Yes (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)	Contacts in rear panel
Parallelable	Yes (up to 4 units)
Performance limit bypass	Configurable
Frequency converter 50 - 60 Hz	Yes
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS	
Cooling	Forced with fans (PWM speed control)
Operation temperature	0ºC ~ +40ºC
Noise level (at 1 m)	< 55 dB
Relative humidity	0 - 95 % without condensation
Dimensions (WxHxL)	440 x 131 x 580 mm
Weight approx.	30 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

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

(2) Battery quantity may affect output PF

IEC 62040 -3

VFI TYPE ONLINE