

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

### ZGR VERSATILE RT 10 KVA ONLINE THREE-PHASE UPS

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



#### 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

ZGR VERSATILE RT 10 KVA ONLINE THREE-PHASE UPS

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) <sup>(1)</sup>
Autonomy	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	0°C - +40°C
Noise level (at 1 m)	< 55 dB
Relative humidity	0 - 95 % without condensation
Dimensions (WxHxD)	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



<sup>(1)</sup> The number of batteries may affect the output PF  
These specifications may change without notice

IEC 62040 -3



ZGR VERSATILE RT 10 KVA ONLINE THREE-PHASE UPS