RHIN SERIES

On-line UPS double conversion high frequency from 1 3 KVA

Description

The Rhin Series UPS include active input PFC rectifier (Power Factor Corrector) and make use of the advantages of PWM technology with IGTBs. In most cases electrical supply problems are resolved without the use of the battery, thereby increasing its service life. They are ideal for backing up critical systems of up to 3kVA that need a highly reliable, quality electricity supply, with the added benefit of being cost effective.

Data is provided locally through mimic panel with LEDs. The communications interface, together with its powerful software, allows users to monitor the status of the unit and provides information on its environment.

Rhin plus 3 KVA tower and rack

Rear connections Rhin 1 KVA

Rear connections Rhin 2/3 KVA

1. IEC inputs/Terminals
2. Protection/Protection with fuse
3. RS232 communication port
4. IEC outputs
5. Battery connection

Features

- UPS online double conversion
- Microprocessor digital control technology
- Power: 1,2 and 3 KVA
- Tower and 19 inches rack convertible
- Visual alarms (led) and acoustic in the case of mains failure
- Reduced harmonic distortion of output signal
- Wide input voltage range
- Small frequency harmonic distortion
- Battery mode start up without mains line
- 6 IEC sockets
- Protections against overvoltages, short-circuits and low battery voltage
- RS232 communication port and monitoring software
- Cables also included: 2xIEC cables, 1xRJ11 cable for modem protection and 1xUSB cable for equipmet monitoring
- Extended battery options available
- Programmable shutdown
- High input power factor ≥ 0.98
- Standard format 19 inches
- Automatic bypass
- SNMP card optional
- Rail kit UPS cabinet holders (optional)
- 2 years warranty batteries included

GENERAL SPECIFICATIONS			
Model	**Rhin 1**	**Rhin 2**	**Rhin 3**
Reference	018602	018603	018604
Power KVA	1	2	3
GENERAL			
Technology	On-Line, double conversion, high frequency		
Overload	130%- 60 sec, 150% for 30 sec.		
INPUT			
Voltage range	170~290 Vac		
PFC	≥ 0,98		
Frequency	50 Hz ±5%		
Conexiones	IEC plug	Terminals	
OUTPUT			
Power (KVA/KW)	1/0,7	2/1,4	3/2,1
Voltage	230 Vac ± 2%		
Output frequency	50Hz ±0,5% (battery mode)		
Outputs	6 IEC sockets		
Type of wave	Pure sinewave		
Harmonic distortion (linear load) THD	<3%		
Crest factor	3:1		
BATTERIES & BACKUP TIME			
Standard battery	Pb VRLA (lead battery with anti-leak seal)		
Backup time	From 5 to 90 min		
Charge time	8h-90%		
INDICATORS			
Leds	Line failure, system fault conditions, overload, low battery,		
Acoustics	Line failure, overload, low battery		
COMMUNICATION			
Control software	UPSilon 2000		
Communications	RS232 port		
Indicators	Automatic functions shutdown: voltage, input/output frequency, load status, battery capacity, temperature, historic events, system analysis, 7 alarms type		
SNMP card optional	RS232 Ethernet converter		
PROTECTION			
Protections	Current limitation, overload, short-circuit and temperature		
Automatic bypass	Yes		
RFI filter	Yes		
PFC: Corrector de factor de po-tencia	Yes		
STANDARDS			
Marks	CE		
Directives	EN 62040-1-1:2003 / EN 50091-2:1996		
OTHERS			
Operation temperature	0-40ºC		
Relative humidity	0-95% (non condensing or ice)		
Altitude without decreasing power	1000 over sea level		
Acoustic level	<45dBA		
UPS dimensions WxHxD (mm)	440x486x88	440x486x88	440x486x88
Batteries module dimensions WxHxD (mm)	-	440x486x132	
Dimensions U	2U (UPS+batteries)	2U (UPS)+2U (batteries)	
UPS weight ** (Kgs)	14 (internal batteries)	10	11
Batteries module weight (Kgs)	-	12	16

** 2 & 3 KVA model: internal batteries, consult dimensios and weights for other autonomies.*
*** 1KVA model with other autonomies: external battery module, consult dimensios and weights.*

Specifications may be changed without notice.