RHIN PLUS SERIES

On-line UPS double conversion 6 & 10 KVA

WARRANTY 1 year BATTERIES INCLUDED

Description

The Rhin Plus series has available input power factor correction, high efficiency and parallel redundant capability that provides a superior level of power quality for sensitive electronic equipment and computer loads.

The Rhin Plus series has field proven Digital Signal Processor DSP with SMD techniques that gives user high reliability and greater immunity from utility power problems. The front display panel provides all major systems parameters and operational status of the UPS that include full diagnostics for simple, easy servicing.

Rhin Plus convertible series UPS uses a patented inverter control technology that allows it to achieve N+1 scalable redundant power without the use of additional components. Rhin Plus series convertible parallel configuration also eliminates any single point of failure.

Rhin Plus series 6 KVA

Rhin Plus 6 KVA rear connections

1. RS232 communication port
2. Terminator resistance for parallel operation
3. Paralleled bus connectors
4. Options slots
5. Battery connector
6. Magnetothermal input switch
7. Terminal block
8. EPO: emergency power off

Features

- Online UPS double conversion
- Microprocessor digital control technology
- Power: 6/10 KVA
- Tower and rack convertible
- Visual alarms (led & LCD) and acoustics in the case of mains failure
- Reduced harmonic distortion of output signal
- Wide input voltage range
- Battery mode start up without mains line
- Protections against overvoltages, short-circuits and low battery voltage
- LCD display
- RS232 connection type + and monitoring software
- Cables also included: 2xIEC cables, 1xRJ11 cable for modem protection and 1xUSB cable for equipmet monitoring
- Extended battery options available
- ECO mode selectable by user: The UPS will work permanently on bypass mode and will only transfer to on-line mode (inverter) when UPS detects any input anomaly. By doing that UPS increases its efficicency
- Programmable shutdown
- High input power factor ≥ 0.98
- Standard format 19 inches
- Manual bypass (optional)
- SNMP card (optional)
- Rail kit UPS cabinet holders included

GENERAL SPECIFICATIONS		
Model	**Rhin plus 6**	**Rhin plus 10**
Reference	018607	018608
Power KVA	6	10
GENERAL		
Technology	On-Line, double conversion, parallel	
Overload	Inverter supply: up to 105/125% for 20 sec Bypass supply: up to 105/125% for 90 sec	
INPUT		
Voltage range	160~280 Vac	
Frequency	45~65Hz	
Power factor	Up to 0,99 al 100% linear load	
OUTPUT		
Power (KVA/KW)	6/4,2	10/7
Voltage (normal mode)	200/208/230/240 Vac (selectable)	
Output frequency	50/60 Hz (self-sensitive) ±1Hz±3Hz (adjustable)	
Type of wave	Sinewave, total harmonic distortion <3%, (full load)	
Efficiency AC to AC	Up to 90% (normal), (ECO: up to 95%)	
Crest factor	3:1	
BATTERIES & BACKUP TIME		
Battery estándar	VRLA: Sealed lead acid maintenance free	
Backup time (full load)	From 5 to 90 min	
Charge time	4 hours to 90%	
Voltage	240 Vdc	
Batteries cabinet model	External batteries	
INDICATORS		
LCD display/Leds	Mains failure, UPS failure, overload, low battery	
Acoustics	Mains failure, overload, low battery	
COMMUNICATION		
Communication software	UPSilon 2000	
Standard interface RS232	Input/output voltage Frequency/ Temperature/ Charge level Battery level	
SNMP card	Included	
Input/Output connection	Terminals	
External battery connection	Plug & play	
Communication slots (optionals)	2nd RS232,USB,RS485, relay contact, SNMP/WEB card	
PROTECTION		
Current limitation	Yes	
Static by-pass/ manual	Yes / optional	
RFI filter	Yes	
Battery charger protector		
Display	LCD + LED: Line mode,back-up,ECO mode,Bypass supply, Battery low/bad/ disconnect, Overload Transfering with interruption and UPS fault. LCD: Input voltage/frequency, output voltage/frequency, load percentage, battery voltage & inner temperature.	
Self diagnostics	Upon Power-on,Front panel setting & software control, 24 hour routine checking	
STANDARDS		
Marks	CE	
Directives	EN 62040-1-1:2003, UL1778, EN 62040-2, EN 61000-3-2, EN 61000-3-3, FCC A class, CE, UL	
OTHERS		
Operation temperature	0-40ºC	
Relative humidity	0Cº-90Cº (non condensing or ice)	
Altitude without decreasing power	2000 over sea level	
Acoustic level	<50dBA	
UPS dimensions WxHxD (mm)*	440x680x88 (2U)	440x680x132 (3U)
Battery module dimensions	440x680x88 (2U)	440x680x132 (3U)
UPS/ Battery weight (kg)	24/40	26/52

** Please consult weights and dimensions for diferent voltages.*

Specifications may be changed without notice