

Smart On-Line Rack Mount UPS

RHC/RHD Series-500VA to 3000VA

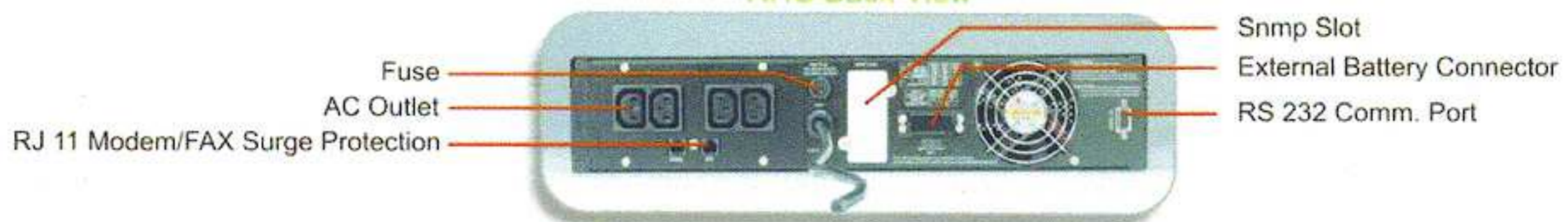
The "RHC/RHD" Series is a genuine 19" True On-line Rack Mount UPS. Design engineers world-wide agree that the RHC/RHD internal configuration is the most effective method of Uninterruptible Power Solution in ensuring that the connected load remains completely protected from all types of power related problems. This is because RHC/RHD product line is designed to having the inverter continuously pull its power from a completely independent DC source. In whatever application the RHC/RHD product is required to operate in (for instance, providing non-stop conditioned power to sensitive computer and communication equipment in a clean, temperature controlled data center, or industrial control equipment in a harsh industrial environment), the User is guaranteed that the RHC/RHD will always protect the loads connected to it. More than just a robust design, the RHC/RHD also allows sophisticated control and monitoring via either the RS-232 port or the interface slot provided. The information collected can then be viewed in a multitude of ways, either over the LAN, WEB or via a SNMP connection.

RHC Series



- **Double Conversion Technology**
Ensures a fully regenerated sine wave output independent of utility supply
- **Microprocessor Controlled**
Provides instant control and correction for UPS output
- **Auto Select Input Frequency**
Suitable for use in many different countries
- **50KHz High Frequency Operation**
Allows for a more compact and lighter design
- **RS232/LAN interface and SNMP/Http network control**
Smart communication interfaces for UPS management via a network
- **High Efficiency**
Negligible efficiency trade off for increased output performance
- **Easy Access for Maintenance**
Hot swappable battery replacement feature allows user maintenance easily
- **Cold Start and Generator Compatible**
Suitable for applications in poor power environments
- **Self Diagnostics**
Increases reliability and informs the user of any operating problems
- **Space Saving Design**
Only 2U in height requiring less valuable rack space

RHC Back View



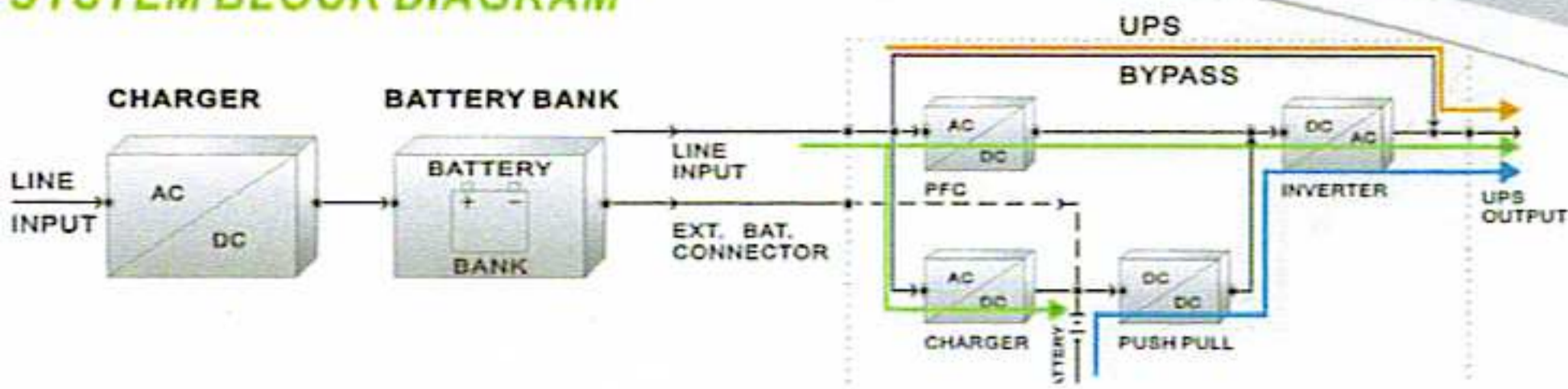
PLAN MY POWER (PTY) LTD
Tel: 011 678 5101 Fax 011 678 0678

www.dc-ac-power-inverters.co.za
www.planmypower.co.za



Smart On-Line Rack Mount UPS

SYSTEM BLOCK DIAGRAM



SPECIFICATIONS

Model	LED Display	RHC 500	RHC 700	RHC 1000	RHC 2000	RHC 3000
	LCD Display	RHD 500	RHD 700	RHD 1000	RHD 2000	RHD 3000
Output	VA Rating	500VA	700VA	1000VA	2000VA	3000VA
	Wattage(100-120V/220-240V)	350W	490W/450W	700W	1400W	2000W
	Current(100-120V/220V-240V)max.	5A/2.2A	6.4A/3A	9.1A/4.3A	18.2A/8.7A	27.3A/13A
	Voltage	100,110,120V/220,230,240V±2%				
	Frequency	50/60Hz Auto Select				
	Wave form	Pure Sinewave				
	Harmonic Distortion	Less than 3% at full load(Linear load)				
Input	Voltage	80V-145V/160V-275V				
	Frequency	45 - 65Hz Autoselect				
Runtime	Full Load	15min	5-7min		4-5min	
	Half load	45min	15min		12min	
Transfer time	INV to Bypass/Bypass to INV	Less than 4 msec. (2 msec. minimum)Zero-Cross Transfer				
	Power Failure /Recovery	0 msec. to or from battery				
Battery	Type (Lead Acid maintenance free)	12V/7AH			12V/4.5AH	
	DC Voltage	24VDC	24VDC	36VDC	72VDC	96VDC
	Recharge Time	5-8 hours				
	Recharge Current	1.5A (max)				
Efficiency	AC to AC	85% min.				
Audible Noise		<45 dBA			<50 dBA	
Indicators	LED Display	LINE,INV,BAT,BYPASS,FAULT,BATA,LOAD LEVEL				
Auto Restart		Yes				
DC Start-up		Yes				
Protection	Overload	>110% of full load with 15-20 sec. delay, 150% Immediately				
	Over/Under Voltage at I/P or O/P	Inverter shutdown protection				
	Phone Jack	RJ-11/RJ-45				
	Short Circuit	Shut down and won't transfer to bypass output, will work normally again when short circuit be removed				
Approved	EMC/LVD(230V,50Hz)	EN50091-2/EN50091-1				
	Safety	TUV GS Mark EN50091-1-1,UL1778,UL,CUL				
	USA FCC(120V,60Hz)	FCC PART 15				
	CNS BSMI(110V,50/60Hz)	CNS 13438				
	IMMUNITY(120V/110V/100V,50/60Hz)	IEEE 587 CLASS A				
Computer Interface	LAN/RS232 Interface	Mains fail, battery low and remote shutdown UPS/RS232 Communication				
Mechanical	Dimensions(W*H*D)mm	428*88*470mm(2U)			428*88*470mm(2U) 428*132*520mm(3U)	
	Net /Gross Weight(kgs)	17.6/20.7	17.6/20.7	20.5/23.6	33.0/36.3(3U) 14.0/19.0(2U)	37.0/40.4(3U) 15.0/20.0(2U)
Environment	Temperature	0°C-40°C				
	Humidity	0-95% Non-Condensing				

Specifications are subject to change without notice.

OPTIONAL

Model	RHB Series Battery Bank	RHB024V028AH	RHB036V014AH	RHB072V007AH	RHB096V007AH
BATTERY	Voltage / Capacity	24VDC/28AH	36VDC/14AH	72VDC/7AH	96VDC/7AH
BATTERY TYPE	Lead Acid maintenance free (Pcs.)	12V/7AH * 8	12V/7AH * 6	12V/7AH * 6	12V/7AH * 8
DIMENSIONS	WxHxD mm	428x88x470mm(2U)			
N/G Weight (Kgs)		33.5/34.9	27.9/29.4	27.9/29.4	33.5/34.9
Model	CHARGER	CG1024/CG2024	CG1036/CG2036	CG1072/CG2072	CG1096/CG2096
INPUT VOLTAGE		80 - 145Vac/160 - 275Vac			
OUTPUT	Voltage/Current(Max.)	24V/12A	36V/12A	72V/8A	96V/6A
DIMENSIONS	WxHxD mm	140x70x272mm			
N/G Weight (Kgs)		2.7/3.7	2.7/3.7	3/4	3/4