



- Ultimate Reliability- for your precious and critical equipment
- Maximum overload capability- no need for oversized UPS to handle heavy start up loads
- Total Rated Power- at ambient as high as 50°C
- Complete Isolation- of load for maximum protection
- Man-Machine Interface- user friendly Display and controls
- State of the art Technology- PWM based technique using IGBT
- High Power Density- upto 2000VA/Cft
- Smallest Footprint- and quiet operation, ideal for computer environment
- True-on line- precise sine wave system
- Highest Crest Factor- handling capability upto 5:1
- High Efficiency- means lower running cost
Cold Start- starting with only battery

The **RHINO-Series** is an immensely reliable Power Protection Solution to cater to highly abnormal power environment, offering benefits beyond expectations. The systems are designed for highest reliability standards and imaginatively engineered for effective thermal management, as well as to provide top quality power with unbelievable MTBF figure. The construction

is as rugged as a **Rhino**, the nature's magnificent creation. It has been designed taking into account the ever-changing needs of Information Technology, Telecom, Medical and Industrial applications. The innovative high frequency digital PWM technology offers top quality power and reduces cost of operation, transit, and installation.

SPECIFICATION

MODEL		R1020	R1030	R1050	R1075	
RATED POWER		2.0KVA/1.4KW	3.0KVA/2.1KW	5.0KVA/3.5KW	7.5KVA/5.2KW	
INPUT	Voltage	160V AC to 265V AC, 50Hz, Single Phase				
	Frequency	50Hz ±3Hz				
OUTPUT	Voltage	220V AC/230V AC/240V AC (Any One Voltage) Single Phase				
	Frequency	50Hz ±0.5Hz Free Running, optional ±0.05% & 50Hz ±3Hz Sync Mode				
	Regulation	±1% (Typical)				
	Transient Response	±5% for 100% Load Variation, correction in 10mSec				
	Inverter Technology	PWM (IGBT)				
	Waveform	Pure Sinewave, THD ≤2% (Linear Load)				
	Short Term Overload	110% for 30 min, 150% for 10 secs., 200% for 5 cycles,				
	Efficiency (Peak)	Inverter ≥92%, AC to AC ≥85% (Linear Load)				
	Load Power Factor	0.6 to Unity				
	Change over	Transfer Time (in Sync Mode) less than 5 msec				
	BATTERY	Type	Sealed Maintenance Free/Lead Acid Tubular			
		DC Voltage	180V DC (15 Nos./12V DC each)			
Backup Time		Typically 30 min to 2 hrs. (Higher Back up Time on request)				
Recharge Time		8 hrs. typical				
GENERAL	Protections	Mains Over/Under Voltage, DC Over/Under Voltage, Inverter Over/Under Voltage, Inverter Overload, Overheat, Built-in Soft/Cold Start, Snubber Circuits for Devices				
	LED Indicators	Mains On, Inverter On, Battery On Charge, Mains Over/Under Voltage, Low Battery Imminent, DC Over/Under Voltage, Inverter Overload, Overheat, Inverter Over/Under Voltage, Load On Inverter, Load On Aux. Supply				
	Digital Metering	16x2 LCD for O/P Volts, DC Volts, O/P Load %, Frequency & % Battery				
	Audible Alarm	Built-in Buzzer Operates on Fault Conditions				
	Isolation	UPS Output is Isolated from Mains Input				
	PC Interface	RS232 (optional)				
	Protection Class	IP-21				
	Finish	RAL: 9016 (white) & 293C (Blue)				
	Weight (Kgs) approx	50	54	85	95	
	Dimensions(WxDxH)	300 x 600 x 500	300 x 600 x 500	375 x 600 x 600	375 x 600 x 600	
	Temperature	0°C - 45°C (50°C Peak)				
	Humidity	0 - 95% RH (Non Condensing)				

We pursue a policy of continuous development & product improvement. Specifications & front panel controls, may be subject to change, without notice.

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