



EXCEL
DESTINATION POWER

OUTPUT: 230 V AC

SELECT

MAINS ON

INV. ON

BATT. LOW

OFF

TRIP

ON

INV.

Rhythm

Make your office a better place.

Who would like work interruptions and nagging power cuts? Work will never be the same with an astute system 'Rhythm'. Built to ensure your work flows as silk and protects important equipments. Rhythm is here to stay and help your productivity double as uninterrupted work always results in better business output.

Microprocessor Control

The control and communication functions are now better with Rhythm. Rhythm controls various operations and parameters; it is enabled with an audible alarm and displays the cause with real time measurements.

Monitoring and Display functions

Rhythm gives you the option of monitoring various aspects of functions on a front LCD panel. Built with it is LED mimic panel displaying Mains-ON, Charger-ON, Inverter-ON, Battery low trip and Inverter trip, etc. are also available.

Active power factor

Rhythm avoids unnecessary over sizing of cables and circuits allowing an input power factor better than 0.99, nearly equal to the UPS rating.



Salient Features

- Pure Sinewave online power conditioner
- High Frequency IGBT converter / Inverter
- Configuration as a frequency converter
- Bi-Directional Static Switch for redundant systems
- Advanced optional features using microprocessor
- User friendly LCD display panel
- Standard RS 232 interface with software (optional)
- SNMP monitoring capability (optional)

Applications

- Local Area Networks (LAN)
- Servers
- Data Centers
- Internet Centers (ISP / ASP / POP)
- Industrial PLCs
- Emergency Devices (Lights / Alarms)
- Electro-Medical Devices
- Telecommunications Devices
- Industrial Applications
- Lift / Elevators

TECHNICAL SPECIFICATIONS OF RHYTHM

Capacity (KVA)	1/2	3/4	5/6/7.5	10/15/20/30	40/50/60/80/100/120
INPUT	SINGLE	SINGLE	SINGLE / THREE	THREE	THREE
Voltage Range	230V±20% in single phase		415V±25%-30% in three phase		
Power Factor correction	0.85 to 0.99 based on capacity				
Frequency	50Hz±3Hz				
OUTPUT	SINGLE	SINGLE	SINGLE	SINGLE / THREE	THREE
Voltage Regulation	230V±1% in single phase		400V±1% in three phase		
Full Load Current	RATED AT 0.8 P.F.				
Nominal Frequency	50Hz ± 0.5 Hz				
Power Factor	0.8 P.F.				
Over Load	125% for 10 minutes & 150% for 1 minute				
Static Voltage Regulation	± 6% for 50% step load change				
Dynamic Voltage Regulation	± 1% of nominal for all variations of Line Load				
	± 10% for 10% to 100% step load change				
Waveform	Sinusoidal				
Total Harmonic Distortion	For linear loads ≤ 2.5% For non linear loads ≤ 5%				
Efficiency	85% to 93% on full load depending on capacity				
Crest Factor	1 : 4				
DC CHARACTERISTICS					
Nominal Float Voltage	48V	72V	72V / 120V	192 / 240V / 360V	360V
Recharge Time	6 - 7 hrs. for 90% recovery		8 - 10 hrs. for 90% recovery		
By Pass (optional)	Manual / Static				
PROTECTIONS					
Charger	Input circuit breaker, Charger over voltage			Phase failure	
	Charger over current limit.			Abnormal	
Battery	Battery low cut off / current limit, HRC fuse			Phase sequence	
	In battery path, Battery over charger trip.				
Inverter	Output over / under voltage, over load trip				
	Current limit, S.C. Protection				
INDICATIONS / DISPLAY					
Indications	Mains ON, Charger ON, Inverter ON, Battery low, Fault/Trip				
Display	Alpha numerical display				
ENVIRONMENTAL / OPTIONS					
Operating Temperature Range	0°C to 40°C				
Relative Humidity	95% non condensing				
Max. Operating altitude without derating	7500ft. / 2285m				
Acoustic Noise	<60db				
Options	Remote display / Control Software / SNMP compatibility				

• Due to continuous development in technology & design, the specifications may change without notice. • Custom made UPS systems are manufactured as per request



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