

RC ALL-TECH

COMPLETE POWER SOLUTIONS

GREEN - UPS

GI - II SERIES

1 kVA - 10 kVA UPS

Specifications

Rating	1, 2, 3, 4, 5, 6, 7.5 and 10 kVA							
INPUT								
Rectifier Design	IGBT Based Active PFC PWM Rectifier							
Nominal Voltage	140 - 290 V AC (140 to 160 25% Load , >160 100% Load,)							
Nominal Frequency	50Hz ± 10%							
Input Power Factor	≥ 0.99							
BATTERY VOLTAGE	kVA	1	2	3	5	6	7.5	10 kVA
	Volt.	36 to 96	96-240		120-240		192-240	240
OUTPUT								
Inverter Design	IGBT Based PWM with DSP Controlled							
DC - AC Efficiency	85 to 92% (Based on DC Voltage and UPS Rating)							
Voltage	230 ± 0.1%							
Frequency	50Hz ± 5% in Synchronous mode, 50Hz ± 0.1 Hz Free Running Mode							
THD	≤ 2% On - linear load & ≤ 5% on Non - linear load							
Crest Factor	3 : 1							
Over Load	150% for One Minute, 120% for 10 Minutes							
Protections	Battery low/High , O/P low/High , Short Circuit, Built - in Spike, Surge and RFI / EMI Filter							
Indications	Mains, Inverter, UPS ON Battery, Battery Low, Inverter Trip, O/P Overload, Load on UPS, Bypass							
Metering	LCD, Graphics Display - to monitor O/P, I/P & DC Voltage, Load %, Frequency, Battery Health							
Bypass	Manual / Auto (Bi Directional)							
Communication	RS - 232 Serial Interface / SNMP (Optional)							
Environment	Noise Level - Less than 60dBA. Temperature - 0-45 deg. C. Humidity - 0-95% non-condensing							
TESTING STANDARDS	IEC 62040 - PART - III							



Manufactured by:
RC ALL-TECH POWER SYSTEMS PVT. LTD.
 Regd. Off : 7-72, Nagender Nagar Colony,
 Habsiguda, Hyderabad -07.
 Factory : 4/2, E & F, Road No. 16,
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GRAPHIC & LCD DISPLAYS



MKT - 05 / C -10

Tested by SAMEER / ETDC

The Hallmark for Quality,
 Innovation & Reliability

To Manage Energy Better



Features

- Double Conversion On-line UPS
- Near Unity Power Factor
- IGBT PWM Rectifier
- DSP Controlled
- Low Input THD -I
- Battery Health Monitoring System
- Inbuilt Galvanic Isolation
- Advance Communication Capabilities
- Compliance to International Standards

GREEN - UPS

GI - II SERIES

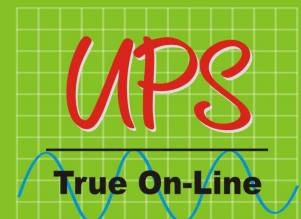
1 - 10 kVA UPS

SINGLE PHASE INPUT / OUTPUT



AN ISO 9001-2000
 Certified Company

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R&D being continuous process, the specifications are subject to change without prior notice

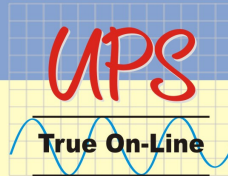
RC ALL-TECH

COMPLETE POWER SOLUTIONS

GREEN - UPS

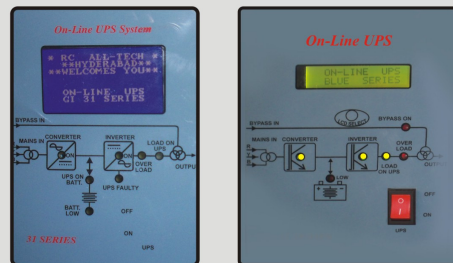
GI-31, 33,SERIES 7.5 - 60 kVA UPS Specifications

Rating	7.5, 10, and 20 kVA				30, 40, 60 kVA
INPUT					
Rectifier Design	IGBT Based PWM Rectifier				
Nominal Voltage	415 V AC (-20% to 15 %) 3 Ph & N				
Nominal Frequency	50Hz ± 10%				
Input Power Factor	≥ 0.90				≥ 7.85
BATTERY					
	kVA	7.5	10	15	20
Voltage	Volt.	192-240	240-360	240-360	240-360
OUTPUT					
Inverter Design	IGBT Based PWM with DSP Controlled				
DC - AC Efficiency	90%				
Voltage	230 ± 0.1%				
Frequency	50Hz ± 0.1%				
THD					
	≤ 2% On - linear load & < 5% on Non - linear load				
Crest Factor	3 : 1				
Over Load	150% for One Minute, 120% for 10 Minutes				
Protections	Battery low, O/P Over Voltage, Short Circuit, Spike, Surge and RFI/WMI Filter				
Indications	Mains ON, Inverter On, UPS ON, Battery, Battery Low, Inverter Trip, O/P Overload				
Metering	LCD Graphics Display - O/P, I/P & DC Voltage, Load %, Frequency, Battery Health				
Bypass	Manual / Auto				
Communication	RS - 232 Serial Interfase / SNMP (optional)				
Environment	Noice Level - Less than 60dBA. Temperature - 0.50 deg. C. Humidity - 0-95% non-condensing				
TESTING STANDARDS					
	IEC 62040 - PART - III				



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GI-31, 33,SERIES

7.5 - 60 kVA UPS

THREE PHASE INPUT
 SINGLE / THREE PHASE OUTPUT



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