Being Global,
Acting Local

RGT SERIES

Your Chosen UPS
For Critical Applications

RUBY
GLOBAL

Our RGT Series is a fully-digital, highly reliable, true on-line double conversion UPS solution that delivers clean and consistent power.

EFFICIENCY

- Up to 94% efficiency by innovation and design. Prime quality component brings sustainable energy savings for product lifetime.
- Monitors power conditions, regulates voltage & frequency, and provides clean energy with online double-conversion mode.
- Provides the highest efficiency level in its class Up to 98% in high-efficiency mode.
- Delivers more power with optional 0.9 / 1.0 power factor.

LOW OPERATING COST

- Best-in-class Total Cost (Capex & Operating).
- Ruby Global has a supply chain of worldwide electronic component manufacturers. We search continually for quality/value-price in dynamic markets.

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TECHNOLOGY

- Optimum output voltage & frequency with precision, independent from fluctuations in input voltage & frequency.
- Devices are secured, keep working without interruption providing clean & optimum output voltage & frequency
- VRLA Batteries by well-known Global Suppliers with reliability, quality and price performance
- The backup time can be extended by adding battery sets in the same cabinet or by adding another battery cabinet, depending on the power of the UPS and the backup time required.
- Shorter charging time by built-in-power charger.
- 4 Side opening case for easy maintenance and service
- Ideal for all types of networks, industrial applications & data centers.

EARLY WARNING OF STATUS

Multiple audible and visual alarms immediately alert you to critical Issues.

PERIODIC BATTERY TESTING

Automatic/manual self-diagnostic battery testing.

POWER-FACTOR CORRECTION

Prevents noise, harmonics, and distortion from being passed on to connected loads or from being fed back to the utility.

WIDE INPUT VOLTAGE WINDOW

Prolongs battery life by allowing the UPS to maximize the use of utility power before transferring to the battery when the input voltage exceeds the specified limits.

EXTERNAL ISOLATION TRANSFORMER

Optional feature for specific need of Client to operate UPS under special & critical load.

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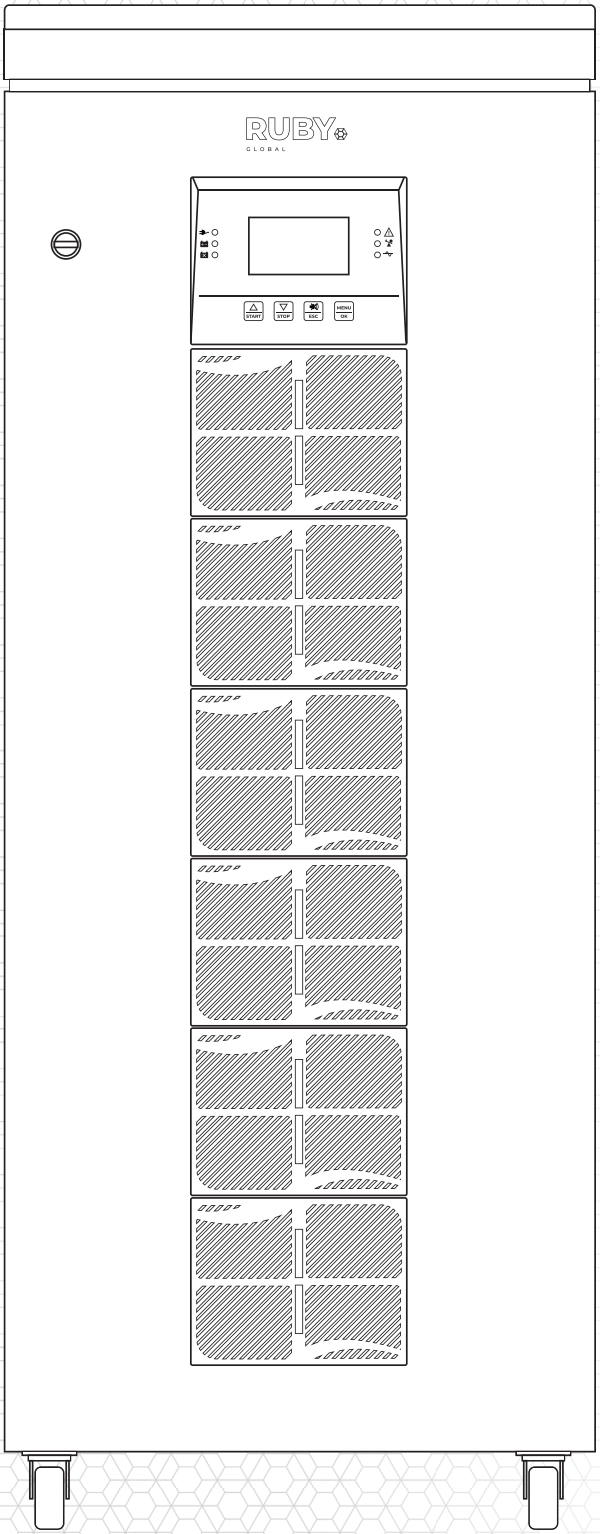

USER FRIENDLY

- Configure and control the parameters.
- Set and view the real time operating data.
- Perform a series of functional tests.
- Access to the event logs.
- Available in single and double cabinets.
- The compact & vertical design on wheels, easy to position and transport.
- All models have a configurable microprocessor control card, an LCD display unit, battery packs (RUBY Powerbox) as per request and can be added afterwards.

TECHNICAL HIGHLIGHTS

- VFI-SS-111 Standards
- DSP Controlled IGBT Rectifier – IGBT Inverter
- Wide Input Range
- High Input Power Factor (>0,99)
- High Efficiency up to 94% at On-Line Mode
- Independent from input voltage and frequency according to VFI-SS-111 Standards
- DSP Controlled IGBT Rectifier-IGBT Inverter
- Wide input Voltage Range
- High Input Power Factor (>0,99)
- High Efficiency up to 94% at On-Line Mode
- High Efficiency up to 98% at Eco Mode
- Pure Sine Wave Output, Low Harmonic Distortion
- Static and Manuel By-Pass
- Electromagnetic and RFI Protection
- Graphic LCD Panel with detailed information about batteries input, output and fault parameters
- Smart Battery Charge System extend the lifetime of the batteries
- Advanced Communications via RS-232 serial port, Smart Free Contact Relays output, SNMP support
- Smart Fan Speed Regulations for Silent Operation
- Special Input Output parameters
- Parallel working up to 6 units

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Technical Specifications **RGT SERIES 10-120**

RGT 10-120 • kVA 3/3								
GENERAL								
Nominal Power	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Technology	True On-Line-Double Conversion VFI-SS-111, IGBT Rectifier							
Control	DSP, PWM							
Paralleling Units	up to 6							
Communication	SNMP, RS232, RS485, MODBUS							
Remote Monitoring	SNMP View, US Mon, Remote Panel							
Dry Contacts	Programmable 3 dry contacts							
Custom Inputs	Generator, battery temperature sensor, remote EPO							
INPUT								
Voltage	380 / 400 / 415 V AC 3 Phases + N							
Voltage Tolerance	-20% / +25% (Full Load)							
Frequency	50 / 60 Hz (Optional)							
Frequency Tolerance	± 10%							
Power Factor	≥ 0.99							
THD_i	< 5%							
BYPASS								
Type	Static Bypass + Manual Bypass							
Voltage	380 / 400 / 415 V AC 3 Phases + N							
Voltage Tolerance	± 10% (adjustable)							
Frequency	50 / 60 Hz							
Frequency Tolerance	Adjustable up to ± 10%							
OUTPUT								
Voltage	380 / 400 / 415 V AC 3 Phases + N							
Voltage Tolerance	± 1% (static load), Dynamic load in accordance with VFI-SS-11							
Frequency	50 / 60 Hz (Optional)							
Frequency Tolerance	± 0.1% (self-syncronize), ± 4% (main-syncronize, adjustable up to ± 5%)							
Power Factor	0.8 / 0.9 / 1.0 (Optional)							
THD_v	3% (Linear Load), Non-linear load in accordance with IEC/EN 62040-3							
Crest Factor	3:1							
OVERLOAD CAPACITY								
110%	Normal mode continuously							
125%	10 min.							
150%	1 min.							
> 150%	Bypass mode continuously							
EFFICIENCY								
On-Line (Full Load)	> 93%							
Eco-Mod (Full Load)	> 98%							
ENVIRONMENT								
Operating Temperature	From 0°C up to +40°C							
Relative Humidity	0% - 85% (without condensation)							
Maximum Altitude	≤ 2000 m.							
Noise Level	< 55 dB (A)			< 60 dB (A)			< 65 dB (A)	
FEATURES								
Dimensions (WxDxH) mm	350x795x1110			500x806x1213			550x800x1335	
Weight (kg)	115	115	125	160	170	180	230	240
Protection Glass	IP20							
Number of Battery	60							
Battery Cabinet	Internal			External				

Technical Specifications **RGT SERIES 160-800**

RGT 160-800 • kVA 3/3								
GENERAL								
Nominal Power	160 kVA	200 kVA	250 kVA	300 kVA	400kVA	500 kVA	600 kVA	800 kVA
Technology	True On-Line-Double Conversion, IGBT Rectifier							
Control	DSP, PWM							
Paralleling Units	up to 6							
Communication	SNMP, RS232, RS485, MODBUS							
Remote Monitoring	SNMP View, US Mon, Remote Panel							
Dry Contacts	Programmable 7pcs							
Custom Inputs	Generator, battery temperature sensor, remote EPO							
INPUT								
Voltage	380 / 400 / 415 V AC 3 Phases + N							
Voltage Tolerance	-20% / +25% (Full Load)							
Frequency	50 / 60 Hz							
Frequency Tolerance	± 10%							
Power Factor	≥ 0.99							
THD_i	< 4%							
BYPASS								
Voltage	380 / 400 / 415 V AC 3 Phases + N							
Voltage Tolerance	± 10% (adjustable)							
Frequency	50 / 60 Hz							
Frequency Tolerance	Adjustable up to ± 10%							
Dual Input	Standard							
OUTPUT								
Voltage	380 / 400 / 415 V AC 3 Phases + N							
Voltage Tolerance	± 1% (static load), Dynamic load in accordance with VFI-SS-11							
Frequency	50 / 60 Hz (Optional)							
Frequency Tolerance	± 0.1% (self-syncronize), ± 4% (main-syncronize, adjustable up to ± 5%)							
Power Factor	0.8 / 0.9 / 1.0 (Optional)							
THD_v	3% (Linear Load), Non-linear load in accordance with IEC/EN 62040-3							
Crest Factor	3:1							
OVERLOAD CAPACITY								
110%	Normal mode continuously							
125%	10 min.							
150%	1 min.							
> 150%	Bypass mode continuously							
EFFICIENCY								
On-Line (Full Load)	> 93%							
Eco-Mod (Full Load)	> 98%							
ENVIRONMENT								
Operating Temperature	From 0°C up to +40°C							
Relative Humidity	0% - 85% (without condensation)							
Maximum Altitude	≤ 2000 m.							
Noise Level	< 65 dB (A) / < 70 dB (A)							
FEATURES								
Dimensions (WxDxH) mm	678x1007x1747			1600x868x1800			3216x868x1800	
Weight (kg)	490	540	870	890	1370	1480	1690	1750
Protection Glass	IP20							
Number of Battery	60							
Battery Cabinet	External							

Being Global, Acting Local

RUBY GLOBAL

A WORLD-WIDE EXPANSIVE VIEW OF THE MARKET, YET CLOSE TO YOU, OUR CLIENT.

Vision

Be a global brand by exceeding customer expectations, and to ensure customer satisfaction by being their preferred supplier with reliability and performance.

Mission

Be at the forefront of technology, advancing continuously, become the most environment-friendly brand in terms of design, operations and business practices.

Values

01

CUSTOMER FOCUS

WE'RE IN BUSINESS BECAUSE OF YOU. PERIOD. YOUR NEEDS ARE OUR NEEDS, AND WE WILL BECOME AN EXTENSION OF YOUR TEAM.

02

TRUST

WE BELIEVE THAT TRUST IS THE KEY TO ALL BUSINESS. YOU HAVE OUR WORD WE WILL WORK TO MAKE YOU HAPPY AND YOUR PROJECT SUCCESSFUL.

03

SIMPLICITY

OUR GOAL IS TO MAKE YOUR LIFE AND PROJECT SUCCESS SIMPLE. SIMPLE ORDERING, DELIVERY, MAINTENANCE AND SERVICE.

04

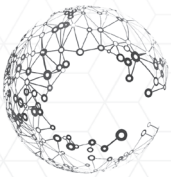
PRECISION

QUALITY WITH UPS POWER SYSTEMS REQUIRES PRECISION ABOVE ALL ELSE - DESIGN, ENGINEERING AND MANUFACTURING THAT WON'T FAIL YOU.

05

LOYALTY

WHEN YOU WORK WITH RUBY, YOU CAN REST EASY IN KNOWING WE'VE GOT YOUR BACK. A RUBY CLIENT IS A CLIENT FOR LIFE.



Our Commitment To You

We aim to exceed your expectations, while helping you reach your goals and targets. We're nimble, efficient, cost-effective, and powerful. Simple & lean processes allow us to respond to our customers, solve their problems, and meet expectations like nobody else.

RUBY GLOBAL SOLUTIONS

GLOBAL HEADQUARTERS
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30/18 BEYOGLU 34425 ISTANBUL TURKEY

WWW.RUBYGLOBALSOLUTIONS.COM