

Being Global,  
Acting Local

## RGT-X MODULAR SERIES

Your Chosen UPS  
For Critical Applications



Our RGT-X Modular 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.



## TECHNOLOGY

- ✓ Dual DSP digital control technology
- ✓ Flexible modularity and easy scalability with all hot-swappable module design
- ✓ High efficiency at low load rate: 96% at 40% load & 95% at 20% load
- ✓ High power density of 50 kVA / 3U power module
- ✓ Wide input voltage range, high grid adaptability, strong load adaptability and strong overload capability
- ✓ Small footprint (500 kVA system only 1.02 m2 footprint)
- ✓ Inbuilt integrated PDU system, easy installation and saving investment
- ✓ Input power factor > 0.99, THDi < 3%, environment friendly, high-efficiency & energy-saving
- ✓ Soft-start technology improves generator matching up to 1:1.1
- ✓ Support two modes of frequency conversion: 50 Hz input / 60 Hz output - 60 Hz input / 50 Hz output
- ✓ Advanced parallel expansion technology, support up to 4 units in parallel
- ✓ Share battery pack in parallel operation, saving user's battery cost
- ✓ Flexible charger parameter and battery configuration setting, numbers of battery 30 ~ 46 pcs selectable
- ✓ Intelligent battery management (Intelligent charge / discharge management and float charging voltage temperature compensation), extending battery lifespan
- ✓ Support battery cold start and utility self-boot
- ✓ Self-aging function, easy debugging, test on site
- ✓ Fault-tolerant design for fan system: 30% load can be driven when 2 fans fail and 50% load when 1 fan fails
- ✓ Front accessible maintenance, top / bottom cable entry compatible
- ✓ Complete hardware and software protection function, robust self-diagnostic function, abundant event log for check
- ✓ 7-inch screen, friendly human-machine interface
- ✓ Monitoring unit with built-in SNMP, supports RS485 and dry contacts
- ✓ Independent from input voltage and frequency according to VFI-SS-III Standards
- ✓ DSP Controlled IGBT Rectifier – IGBT Inverter



# Technical Specifications **RGT-X MODULAR 200-600 KVA 3/3**

## RGT-X Modular 200-600 kVA 3/3

GENERAL					
Nominal Power	200 kVA / 200 kW	300 kVA / 300 kW	400kVA / 400 kW	500 kVA / 500 kW	600 kVA / 600 kW
Number of Power Modules	4	6	8	10	12
Control	Dual DSP Technology				
Paralleling Units	up to 4				
Communication	SNMP, RS485, dry contacts				
Display	7 inches LCD touch screen				
Protections	Short circuit protection, overload protection, over-temperature protection, battery low voltage protection, output over/low voltage protection, fans failure protection etc.				
INPUT					
Input Wiring	3 Ph + N + PE				
Voltage	380 / 400 / 415 V AC				
Voltage Range	138 ~ 485 Vac (304 ~ 485 Vac without power downgrading 138 ~ 304 Vac with linear downgrading 40%)				
Frequency	40 / 70 Hz				
Power Factor	≥ 0.99				
THD	< 3%				
OUTPUT					
Output Wiring	3 Ph + N + PE				
Voltage	380 / 400 / 415 Vac ± 1%				
Frequency	50 Hz / 60 Hz ± 0.25% in battery mode (Synchronized with utility in mains power mode)				
Power Factor	1				
THD	≤ 1% (Linear load) / ≤ 3% (Non-linear load)				
Crest Factor	3:1				
OVERLOAD CAPACITY					
105% < load ≤ 110%	60 min				
110% < load ≤ 125%	10 min.				
125% < load ≤ 150%	1 min.				
> 150%	200 ms.				
Bypass Overload Capacity	Load ≤ 135% for long term; < 100% load for 100 ms				
EFFICIENCY					
Efficiency	96.50%				
Efficiency at low Load	96% at 40% load - 95% at 20% load				
ENVIRONMENT					
Operating Temperature	0°C up to +40°C				
Storage Temperature	-40°C up to +70°C				
Relative Humidity	0% - 95% (without condensation)				
Maximum Altitude	≤1000 m. Above 1000 m, derating 1% per additional 100 m				
Noise Level	< 65 dB		< 68 dB		
FEATURES					
Cabinet Dimensions (WxDxH) mm	600 × 850 × 2000		1200 × 850 × 2000		1400 × 850 × 2000
UPS Dimensions (WxDxH) mm	440 × 620 × 130				
Cabinet Weight (kg)	233	242	415	465	617
Protection Class	IP20				
Power module weight (kg)	32				
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# Being Global, Acting Local



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

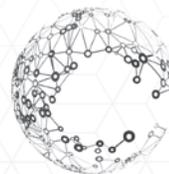
### PRECISION

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  
HACIMIMI MAH. SERDAR-I EKREM CAD.  
30/18 BEYOGLU 34425 ISTANBUL TURKEY

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