

PowerTower™ Green RITo6 Series

Rack Independent Online Double Conversion UPS

6kVA – 36kVA

The PowerTower Green RITo6 series is a rack independent modular UPS of low and medium power developed by BPC. With a flexible structure, it can be embedded into any standard 19 inch cabinet and can be configured to operate in any power requirement.

Ranging from 6-36kVA using 6kVA modules in a functional rack-independent solution, the PowerTower Green RITo6 series is ideal for the space conscious enterprise networking manager.

PTG RIT 12/6

12kVA – 2 module rack 19" (w) x 600mm (d) x 3U (h)



PTG RIT 24/6

24kVA – 4 module rack 19" (w) x 600mm (d) x 5U (h)



PTG RIT 36/6

36kVA – 6 module rack 19" (w) x 600mm (d) x 7U (h)



- N+X module-level redundancy UPS System
- 1/1, 3/1, 1/3 and 3/3 configuration via display
- Multi-level decentralized control technology and Master-slave synchronization in sequence control eliminating system failure bottleneck
- Each module equally shares the input and output current automatically, and all UPS modules share the batteries
- Battery discharge management, auto-transfer between floating and equal charging, temperature compensation
- C/S-Oriented Architecture Software available to monitor multiple UPS up to 600 sets
- B/S-Oriented Architecture available to check via internet browser
- Multiple User options RS232, RS485, dry contacts, TCP/IP Adapter for local and remote communication
- Optional input/output transformer
- Optional Battery IPDS (Intelligent Power Distribution System)

RIT Monitoring Module

Display, Monitoring, Communication and Alarm Management



PTG6M Power Module

Rectifier, Inverter, Battery Charger, Control



PowerTower Green RITo6 Technical Specification

| MODEL | PTGRIT 12/6 | PTGRIT 24/6 | PTGRIT 36/6 |
|-----------------------------------|---|----------------------|---|
| Maximum Power kVA | 12kVA | 24kVA | 36kVA |
| Compatible Power Module | PTG6M | | |
| INPUT | | | |
| Nominal Voltage | (1PH + N + E) 380V/220V ±25% | | (1PH + N + E) or (3PH + N + E) 380V/220V ±25%, 400V/230V ±25%, 415V/240V ±25% |
| Frequency Range | 50Hz ±10%, 60Hz ±10% | | |
| Power Factor | ≥0.99 | | |
| OUTPUT | | | |
| Nominal Voltage | (1PH + N + E) 220, 230, 240Vac | | (1PH + N + E) or (3PH + N + E) 380/220Vac 400/230Vac 415/240Vac |
| AC Voltage Regulation | ±1% | | |
| Power Factor | 0.9 | | |
| Crest Factor | 3:1 | | |
| Harmonic Distortion (Linear Load) | ≤1% | | |
| Transfer Time | Zero | | |
| EFFICIENCY | | | |
| AC Mode | ≥95% | | |
| Battery Mode | ≥98% | | |
| BATTERY | | | |
| Rated DC Input Voltage | ±240Vdc | | |
| Charging Ability | Within 10 hours (2 hours backup) | | |
| GENERAL | | | |
| Display | LCD/LED Screen | | |
| Communication | RS232, RS485, 2 dry contact, TCP/IP adaptor | | |
| Ambient Temperature | -25°C ~ 60°C | | |
| Operating Temperature | -5°C ~ 40°C | | |
| Operating Humidity | ≤95% (non-condensed) | | |
| Dimensions (mm) WxDxH | 480 x 600 x 133 (3U) | 480 x 600 x 222 (5U) | 480 x 600 x 311 (7U) |
| Net Weight (kgs) | 12 | 16 | 20 |
| MODEL | PTG6M | | |
| Capacity kVA/kW | 6kVA/5.4kW | | |
| Input/Output Mode | 1/1, 3/1, 1/3, 3/3 (Ph + N + E) | | |
| Input PF | ≥0.99 | | |
| THDI | ≥3% | | |
| Overload Ability | 125% for 10 min, 150% for 1 min | | |
| Max. Charging Power | 1.5kW | | |
| Max. Heat Dissipation | 338W | | |
| Dimensions (mm) WxDxH | 219 x 487 x 83 | | |
| Net Weight (kgs) | 7.5 | | |

Advanced Power Conversion Solutions

The BPC Group

BPC is an international company operating for 20 years globally, with partners and distributors located around the world.

These regions include:

EUROPE

UK, France, Germany, Gibraltar, Ireland, Netherlands, Malta, Norway, Portugal.

MIDDLE EAST

Bahrain, Jordan, Kuwait, KSA, Lebanon, Oman, Qatar, UAE, Yemen.

AFRICA

Burkina Faso, Democratic Republic of the Congo, Egypt, Ethiopia, Kenya, Ghana, Libya, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Uganda, Zambia.

FAR EAST & ASIA

India, Pakistan, Sri Lanka.

To ensure a high level of pre and post-sales support is offered, BPC work closely with distributors, providing key commercial and technical training whilst providing competitive costing structures tailored to specific region markets, ensuring the most suitable BPC products are offered. We pride ourselves on long standing relationships with our partners which is reflected in the ongoing support provided locally.



The British Power Conversion Company

Authorised Distributor