

PowerTower™ Green RIT25 Series

Rack Independent Online Double Conversion UPS

25kVA – 200kVA

The PowerTower Green RIT25 Series is a rack independent UPS system specially designed for independent rack solutions. The modular UPS design includes a base unit, sub module frame and power modules that can be installed into any suitable 19" rack cabinet.

Starting at 25kVA up to 200kVA, this solution is easy to integrate into a small or medium size computer room. The PowerTower Green RIT25 allows full power integration of a full UPS into any hot-cold aisle data centre design. With just a few modules, you are able to build or extend the UPS to meet the power needs of your business.



With a base unit power of 100kVA or 200kVA, extending your power could not be simpler. Easily multiplying the BPC high performance 25kVA modules to your need, not getting limited to single phase or three phase designs.

BASE UNITS

- Input/Output cable entries
- Maintenance By-Pass switch
- System monitoring (placed at eye level)
- Input/output 1/1, 3/1, 1/3 and 3/3
- 380/220VAC, 400/230VAC, 415/240VAC, 50/60Hz
- SNMP interfacing
- Fits into any 19" frame



PTG RIT/200 base unit

- STS static switch 200kVA
- Maximum size supported 200kVA/180kW
- Height Base Unit is 16U

PTG RIT/100 base unit

- STS static switch 100kVA
- Maximum size supported 100kVA/90kW
- Height Base Unit is 9U



SUB MODULE FRAME

PTG RIT/100F sub module frame

- Fits up to 4 x 25kVA/22,5kW UPS modules
- Maximum size 100kVA per CM-100F
- Maximum 1 x RIT/100F with RIT/100 base unit
- Maximum 2 x RIT/100F with RIT/200 base unit
- Fits into any 19" frame
- Sub module frame height 12U total



PTG RIT/50F sub module frame

- Fits up to 2 x 25kVA/22,5kW UPS modules
- Maximum size 50kVA per CM/A50F
- Maximum 1 x RIT/50F with RIT/100 base unit
- Fits into any 19" frame
- Sub module frame height 6U total



UPS POWER MODULE

PTG25M UPS module

- 25kVA/22,5kW UPS modules
- Maximum 8 x 25kVA UPS modules per Rack-RIT/200 base unit
- Single or three phase input/output
- 380/220VAC, 400/230VAC, 415/240VAC, 50/60Hz



PowerTower Green RIT25 Technical Specification

MODEL	PTGRIT 100/25	PTGRIT 200/25	
Maximum Power Rating kVA	100kVA	200kVA	
Compatible Power Module	PTG25M		
INPUT			
Nominal Voltage	380V / 220V, 400V / 230V, 415V / 240V (1Ph + N + E, 3Ph + N + E)		
Voltage Range	±20%		
Frequency Range	50 Hz or 60 Hz		
Power Factor	≥0.99		
OUTPUT			
Nominal Voltage	380 Vac / 220 Vac, 400 Vac / 230 Vac, 415 Vac / 240 Vac (1Ph + N + E, 3Ph + N + E)		
AC Voltage Regulation (Battery Mode)	±1%		
Power Factor	0.9		
Crest Factor	3:1		
Harmonic Distortion (Linear Load)	TDH ≤1%		
Transfer Time	Zero		
Waveform	Sinewave		
EFFICIENCY			
AC Mode	≥96%		
Battery Mode	≥98%		
BATTERY			
Battery Type	VRLAAGM Sealed Lead Acid Maintenance Free Batteries		
Charging Ability	10 hours (2 hours back up)		
Charging Voltage Stability	± 1%		
GENERAL			
Display	Touch LCD/LED Screen		
Communication	RS232, RS485, 8 dry contacts, TCP/IP adaptor, SNMP (optional)		
Operating Temperature	-5 ~ 40°C		
Operating Humidity	0 - 95% (non-condensed)		
Acoustic Noise	≤55 dB @ 1 metre		
Protection Degree	IP30		
Base Unit	Dimensions (mm) WxDxH	482 x 750 x 400	482 x 710 x 711
	Weight (kgs)	29	40
Sub Module Frame	Dimensions (mm) WxDxH	482 x 650 x 400	482 x 650 x 533
MODEL			
PTG25M			
Capacity kVA/kW	25 kVA/22.5kW		
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	6kW		
Max. Heat Dissipation	1187W		
Dimensions (mm) WxDxH	482 x 465 x 133		
Net Weight (kgs)	20		

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