



BRITIPower

UPS Range

BP Modular Rack Mounted Model 12

Online Transformerless UPS

- **Power range:** : 0.6–80kVA (3–Level PF: 1.0)
- **Mode:** 3 phase input and 3 phase output
- **Module:** 380V/400V/415V



Power module



Cabinets

Description

The BP Series modular online UPS from Britipower is designed to deliver robust and dependable power protection for critical loads in medium and large data center environments. Covering a wide capacity range from 40 kVA to 600 kVA, the RM Series is engineered to achieve maximum system availability and operational continuity. It utilizes advanced three-level inverter technology combined with power factor–corrected (PFC) input control to deliver exceptional performance, ultra-reliability, and high efficiency of up to 96%, reducing both energy consumption and operating costs.

Its compact, modular architecture provides high power density, supporting up to 600 kVA within a single cabinet. For increased scalability and resilience, up to three systems can be paralleled to provide capacity expansion or N+1 redundancy up to 1,500 kVA. This flexibility, combined with its space-saving design and advanced technology, makes the RM Series an ideal UPS solution for mission-critical applications in modern data centers and large facilities..

Compact, space-saving design

- Delivers up to 600 kVA in a single cabinet with a footprint of less than 1.45 m², maximizing valuable floor space in data center environments.

High power density architecture

- Utilizes 50 kVA power modules in a compact 4U height, allowing fast, simple capacity expansion and reduced installation complexity.

Outstanding operating efficiency

- Advanced three-level inverter technology ensures double-conversion efficiency of up to 96%, significantly lowering energy losses and operating costs.

Intelligent battery charging management

- Smart control of the entire charging and discharging process optimizes battery performance, extends service life, and enhances overall system reliability.

Exceptional scalability and flexibility

- Configurable from 40 kVA to 600 kVA within a single cabinet, with up to three systems paralleled to achieve capacity or redundancy up to 1,500 kVA.

User-friendly human-machine interface (HMI)

- Features a 10.4-inch full-color touch LCD with intuitive graphical display, plus independent LCD monitoring for each power module.

Smart sleep mode for higher efficiency

- Automatically powers down unused modules during light-load conditions to increase system load rate and improve overall efficiency.

Comprehensive communication interfaces

- Supports RS232, RS485, USB, SNMP, AS400, and programmable dry contacts for seamless system monitoring and integration.

To Order

Ordering information on page 3.

MODEL			BP600/50X	BP500/50X	BP400/50X	BP300/50X	BP200/50X	BP100/50X	BP240/40X	BP160/40X	BP080/40X	
System Capacity			600kVA	500kVA	400kVA	300kVA	200kVA	100kVA	240kVA	160kVA	80kVA	
Power Module Capacity			50kVA/50kW						40kVA/40kW			
Input	Dual Input		Standard									
	Phase		3 Phases + Neutral + Ground, 380/400/415VAC (line-line)									
	Input Voltage Range		304~478Vac (Line-Line),full load 228V~304Vac (line-line),load decrease linearly according to the min phase voltage									
	Rated Frequency		50/60Hz									
	Input Frequency Range		40Hz~70Hz									
	Input PF		>0.99									
	Input THDi		<3% (100% Linear Load)									
Bypass	Rate Voltage		380/400/415VAC (Line-Line)									
	Rate Frequency		50/60Hz									
	Input Voltage Range		Settable, -40%~+25%									
	Input Frequency Range		Settable, ±1Hz, ±3Hz, ±5Hz									
	Bypass Overload		110% Long term operation 110%~125% last for more than 5min 125%~150% last for more than 1min				125%, long time <130%, for 10 mins <150%, for 1 min		110% long term 125% for 5mins 150% for 1min	125%, long time 130%, for 10 minutes 150%, for 1 min		
Output	Rated Inverter Voltage		380/400/415VAC (Line-Line)									
	Voltage Regulation		1% for balance load; 1.5% for unbalance load									
	Rate Frequency		50/60Hz									
	Frequency Precision		0.1%									
	Output PF		1									
	Output THDu		<1% linear load; <5.5% non-linear load									
	Crest Factor		3:1									
	Inverter Overload		<110% for 1 hour;125% for 10mins;150% for 1min;>150% for 200ms									
Battery	Battery Rate Voltage		±240VDC									
	Battery Number		40pcs (settable: even number from 32 to 44)									
	Voltage Precision		1%									
	Charger Power		up to 20% *Output active power									
	Battery Cold Start		Standard				Optional		Standard	Optional		
	System	Efficiency		AC Mode: 96% ECO Mode: 99% Battery Mode: 96%								
Display		10.4" (240~600kVA) or 7" (80~200kVA) touch screen LCD + LED+ Keyboard										
IP Class		IP20										
Interface		RS232, RS485, USB, Programmable dry contact										
Option		SNMP, Parallel kit, SPD, Dust Filter, LBS										
Temperature		Operation: 0 ~ 40 °C Storage: -40 ~ 70 °C										
Relative Humidity		0 ~ 95% Non condensing										
Altitude		<1000m, Load derated 1% per 100m From 1000 ~ 2000m										
Noise (1 meter)		72dB @ 100% load, 69dB @ 45% load										
Applicable Standard		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3										
Physical	Weight (kg)	Cabinet	1040	900	700	490	350	210	490	350	210	
		Power module	45						44			
	Dimension W*D*H (mm)	Cabinet	1300*1100*2000			1050*1000*2000	650*1095*2000	650*960*1600	600*980*1150	650*1095*2000	650*960*1600	600*980*1150
		Power module	510*700*178						510*700*178			

To place an order, use the contact details below.

