



BRITIPOWER

UPS Range

BP Modular Rack Mounted Model 11

Online Transformerless UPS

- **Power range:** : 10–40kVA (3-Level PF: 1.0)
- **Mode:** 3 phase input single phase output/3:1/1:1
- **Module:** 380V/400V/415V/ 228V~304Vac



Description

BritiPower Rack-Mounted Modular UPS

A rack-mounted modular Uninterruptible Power Supply (UPS) from BritiPower provides online (double-conversion) power protection in a modular chassis suitable for 19-inch racks. It is engineered to maintain continuous, stable electrical power to connected systems by converting incoming AC to DC and back to AC with minimal interruption during mains failures or disturbances.

The modular architecture means power modules (and often battery or communication modules) can be added, removed or replaced without shutting down the entire UPS — enabling flexible capacity scaling and easier maintenance.

Modular Design

- Scalable capacity: You can increase power capacity or redundancy by adding additional modules as demand grows.
- Hot-swappable modules: Individual power or battery modules can be replaced without interrupting protected loads, reducing downtime.

Online Double-Conversion Topology

- True double conversion: Continuously conditions incoming power for a clean, stable output.
- Eliminates transients, surges, sags and frequency variations.

Rack-Optimised Form Factor

- 19 inch rack compatibility: Designed to fit standard server racks and cabinets.
- Space-efficient layout often suitable for data centres, comms rooms and equipment racks.

Intelligent Monitoring & Control

Although exact interfaces for Model 11 aren't published, similar modular UPS systems typically include:

- LCD or touch display
- SNMP, RS-232/RS-485 and dry contacts
- Remote monitoring and event logging (standard in most modular UPS platforms)

Flexible Battery Configuration

- Most modular rack UPS systems support both:
- Internal battery modules
- Connection to external battery cabinets or stands

Redundancy & Reliability

- N+X or parallel configurations: Optional redundancy to maintain uptime if a module fails.

To Order

Ordering information on page 3.



MODEL		BP11-10CL	BP11-15CL	BP11-20CL	BP11-25CL	BP11-30CL	BP11-40CL
System Capacity		10kVA/10kW	15kVA/15kW	20kVA/20kW	25kVA/25kW	30kVA/30kW	40kVA/40kW
Input	Dual Input	Standard					
	Phase	3 Phase+Neutral+Ground, 380/400/415V (line-line)					
	Input Voltage Range	304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage					
	Rated Frequency	50/60Hz					
	Input Frequency Range	40~70Hz					
	Input PF	>0.99					
	Input THDi	<4% (100% linear)	<3% (100% Linear load)				
Bypass	Rated Voltage	380/400/415Vac (line-line)					
	Rated Frequency	50/60Hz					
	Input Voltage Range	Settable, -40% to +25%					
	Frequency Range	Settable ±1Hz, ±3Hz, ±5Hz					
	Bypass Overload	125% long term operation; 130% for 10 mins; 150% for 1 min, >150% for 1s					
Output	Rated Voltage	380/400/415Vac (line-line)/ 228V~304Vac					
	Voltage Regulation	1% for balance load; 1.5% for unbalance load					
	Rated Frequency	50/60Hz					
	Frequency Precision	0.1%					
	Output PF	1					
	Output THDu	<1% , Linear load; <5.5%, Non-linear load		<1.5% , Linear load; <6%, Non-linear load			
	Crest Factor	3:1					
	Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms					
Battery	Battery Voltage	±240Vdc					
	Battery Number	40pcs (Settable: even number from 32 to 44)					
	Voltage Precision	±1%					
	Charge Power	Up to 20% of output power					
	Cold Start	Standard					
Efficiency	AC Mode	95%		95.5%		96%96%	
	ECO Mode	98%					
	Battery Mode	94.5%		95%		95.5%	
System	Display	LCD + LED + Keyboard					
	IP Class	IP20					
	Interface	RS232, RS485, Programmable Dry Contact					
	Options	LBS for HR33020CL and HR33025CL, SNMP Card, Parallel kit, USB					
	Operating Temperature	Operation: 0~40°C Storge: -40~70°C					
	Storage Temperature	-40~70°C					
	Humidity	0~95% non-condensing					
	Altitude	<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise					
	Noise	65dB @ 100% load, 62dB @ 45% load					
	Standards	Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3					
Physical	Weight (kg)	25	30	30	30	41	41
	Dimensions (W×D×H mm)	438×780×130	438×780×130	438×780×130	438×780×130	438×700×174	438×700×174

To Order

To place an order, use the contact details below.