



More Than Power Backup
– It's Power Assurance.



BR931 Series

10kVA Online UPS



Key Features

- True Online Double conversion with Advanced DSP
- Active power factor correction (APFC), Input power factor up to 0.99.
- Advanced Digital Parallel Technology (Upto 4 Units).
- Dual-input design, supporting independent bypass.
- Flexible battery configuration (Settable 16 / 18 / 20 no's Batteries).
- Output PF = 1 – High Load Adaptability
- Intelligent fan control reduces noise & extends lifespan.
- Compact internal layout, miniaturized the complete unit for Small Foot print.
- LCD+LED display, multi-functional keys operation.



Multi-Platform Communications

- Standard: RS232.
- Optional: USB, RS485 Card, Dry Contacts, SNMP Card, EPO function.

RAPSTECH®

BR931 Series

10kVA Online Tower UPS



Specifications



Model	BR931-10kVA
Phase	3 Phase Input / 1 Phase Output
Rate Power	10 kVA / 10 kW
Input	
Wiring	Three-Phase Five wire (3Φ + N + PE)
Rated Voltage	380 / 400 / 415 Vac
Voltage Range	330VAC - 470VAC
Rated Frequency	50 / 60 Hz (Auto Sensing)
Frequency Range	40 ~ 70 Hz
Power Factor	≥ 0.99
Bypass Voltage Range	40% ~ +15% (Settable)
Thdi	≤ 5%
Output	
Wiring	Single Phase Three Wire (1Φ + N + PE)
Rated Voltage	208 / 220 / 230 / 240 Vac
Voltage Regulation	± 1%
Frequency	Synchronized to bypass in Mains Mode; 50/60 Hz ± 0.1% Hz in Battery Mode
Waveform	Sinusoidal
Power Factor	Unity
Thdv	≤ 1% (Linear Load) ; ≤ 3% (Non Linear Load)
Crest Factor	3:1 (Max)
Overload	105% ~ 110% for 10 min, 111% ~ 125% for 1 min, 126% ~ 150% for 30 s
Battery	
DC Voltage	192 / 216 / 240 Vdc; 192 Vdc Default
Number Of Batteries	16 / 18 / 20; 16 no's Default
Charging Current	10 A
System	
Efficiency	≥ 92% at 100% Load; and Upto 98% in ECO mode
Transfer Time	0 ms
Protections	Short Circuit, Over Load, Over Temperature, Battery Low / High Voltage
Communications	RS232 (Standard), USB / RS485 / Dry Contact / SNMP / MODBUS (Optional)
Display	LCD + LED
Max. Number Of Parallel	4 units (optional)
Environment	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-25°C ~ 55°C (Without Batteries)
Relative Humidity	0 ~ 95% (Non-Condensing)
Altitude	≤ 1000 m, Derating 1% for Each Additional 100 m
Ip Rating	IP 20
Noise Level @ 1M	≤ 58 DB
Physical	
Dimensions (W X D X H) (Mm)	191 x 495 x 350
Net Weight (Kg)	18.5

*Product specifications are subject to change without further notice.



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