



# BR931E Series

10kVA Online UPS

More Than Power Backup – It's Power Assurance.

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**RAPSTECH®**

# BR931E 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).
- Wide input voltage range and frequency range.
- 50 / 60 Hz frequency auto sensing.
- Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output.
- Dual-input design, supporting independent bypass.
- Flexible battery configuration (Settable 16 / 18 / 20 no's Batteries).
- Digitally Controlled Charger.
- Output power factor 0.9.
- Fan speed varies intelligently with temperature, reducing noise and extending its service life.
- Compact internal layout, miniaturized the complete unit for Small Footprint.
- LCD+LED display, multi-functional keys operation.
- Powerful background software for parameters configuration.
- Effective Software and Hardware Protection function, Robust Self-Diagnostic function.

### Multi-Platform Communications

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

Model	BR 931E - 10kVA
Phase	3 Phase Input / 1 Phase Output
Capacity	10000VA / 9000 W
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%
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	0.9
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
DC Voltage	192 / 216 / 240 Vdc; 192 Vdc Default
Number of Batteries	16 / 18 / 20; 16 no's Default
Charging Current	Long backup model 5 A (default); 10 A (Max)
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 connections	4 units (optional)
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
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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