

B9000 FXS Series

Online double conversion, 60kVA - 300kVA

Typical applications include emergency services and data centres

Features snapshot

- Online double conversion topology
- Transformer based technology
- TÜV certified high efficiency up to 95%
- Three year warranty
- Front access
- Scalable up to 8 units in parallel
- IGBT rectifier
- Smart Online functionality >98%
- Internal galvanic isolation transformer
- THDi <3% with input power factor >0.99

The Borri **B9000FXS** UPS units are amongst the leading ultra high efficiency systems available today and are ideal for large data centres.

This UPS range can be configured to operate in parallel, offering an N+1 configuration or alternatively as a power expansion option. The parallel control system tightly manages both active and reactive type loads, allowing for intelligent load/current sharing between each individual module.

The Borri **B9000FXS** features smart online (SOL) mode, which significantly reduces energy consumption as the load is fed primarily through the bypass line. With continuous monitoring the UPS switches to the inverter within 2ms should the control system experience any anomalies. This is perfect for achieving a reduced data centre PUE.



THE POWER AUTHORITY



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B9000 FXS Product Specification

POWER	60kVA	80kVA	100 kVA	125kVA	160kVA	200kVA	250kVA	300kVA
Capacity (kW)	54	72	90	112.5	144	180	225	270
Dimensions W x D x H (mm)	815 x 845 x 1670					1217 x 853 x 1902		
Weight (kg)	570	600	630	660	720	970	1080	1200
Input/output connection	Hardwired (dual input)							
Battery	External, 300 / 312 cells							
INPUT								
Nominal voltage	220/380, 230/400, 240/415 VAC three phase							
Voltage range	-20%, +15% from nominal							
Frequency	50/60Hz (45–65Hz)							
Power factor	0.99							
Current distortion (THDi)	<3%							
OUTPUT								
Nominal voltage	220/380, 230/400, 240/415 VAC three phase							
Frequency	50/60Hz							
Voltage regulation	±1% static; ±5% dynamic 100% load change, <20ms recovery time							
PF acceptable without de-rating	Lagging to 0.9 leading							
Overload capacity	101–125% for 10 minutes (on-line); 126–150% for 1 minute (on-line); 1000% for 1 cycle (bypass)							
Efficiency - Online Double Conversion	>95% (Certified TÜV Nord)							
EPS (Eco-mode)	96 - 98%							
Options	Parallel capacity/redundancy; External bypass; Battery thermal probe; Top cable entry							
USER INTERFACE								
Front panel	Graphical LCD display, mimic with LED's and keyboard							
Standard communication ports	RS232 serial port, USB port, Remote Emergency Power Off input, Battery switch monitoring port							
Optional	Web/SNMP, ModBus, Relay, Modem cards; Remote panel; Monitoring and shutdown software							
ENVIRONMENTAL								
Operating temperature	0°C – +40°C (VRLA batteries 20-25°C)							
Storage temperature	-10°C – +70°C							
Altitude	<1000m							
Audible noise at 1 meter (dBA)	<60					<62		

The data and text contained within this brochure are for general information only and cannot be deemed as definitive, specifications can change without notice.

Please find full technical specification and product information at www.pcl-ups.com

