

B9600 FXS Series

Online double conversion, 400kVA - 800kVA

A resilient solution used primarily for critical applications, emergency services and data centres.
Scalable up to 6.4MVA

Features snapshot

- Online double conversion topology
- Transformer based technology
- TÜV certified high efficiency up to 95%
- Three year warranty
- Parallel or N+1
- IGBT rectifier
- Front access
- Smart Online functionality
- Standard and industrial applications
- Internal galvanic isolation transformer
- THDi <3% with input power factor >0.98%

The Borri **B9600FXS** is ideal for data centre requirements and also large commercial projects. This durable UPS provides high efficiency figures in the harshest environments, with the statistics becoming even more impressive in excellent power conditions.

Well suited to large data centre applications, the Borri **B9600FXS** series from 400kVA is scalable in UPS modules up to 6.4MVA.

A tier four UPS design can be achieved with a zero break transfer through two independent groups of synchronised UPS units.



THE POWER AUTHORITY



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BORRI[®]

POWER	400kVA	500kVA	600 kVA	800kVA
Capacity (kW)	360	450	540	720
Dimensions W x D x H (mm)	1990 x 990 x 1920	2440 x 990 x 2020		3640 x 990 x 1920
Weight (kg)	1820	2220	2400	3600
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			

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

