

B8000FXS Series

Online double conversion, 10kVA - 20kVA

Slimline design ideal for server rooms and small to medium sized data centres

Features snapshot

- Online double conversion topology
- Transformer free design
- High efficiency up to 98%
- Three year warranty
- Scalable up to 8 units in parallel
- Temperature compensated battery charging
- Front access
- Small footprint
- High level diagnostics via LCD screen
- Dual DSP controller
- Enhanced generator compatibility

The combination of Isolated Gate Bipolar Transistors (IGBT) and digital processing (DSP) enables the Borri **B8000FXS** series to have an almost negligible effect on the mains supply, providing less than 3% harmonic distortion.

In normal mode the Borri **B8000FXS** is a true online double conversion UPS. Alternatively it can be configured and programmed to run as a frequency converter or in SOL as a line interactive system, which further reduces energy costs.

When running a parallel system, it allows for the batteries or a UPS to be removed without disturbance to the load (known as hot-swap). The main strength of this is that the backup system can remain online without interruption. Up to eight machines can be connected in this way making the **B8000FXS** a flexible and versatile solution.



THE POWER AUTHORITY



POWER	10 kVA 3/1	15 kVA 3/1	20 kVA 3/1	10 kVA 3/3	15 kVA 3/3	20 kVA 3/3
Capacity (kW)	9	13.5	18	9	13.5	18
Dimensions W x D x H (mm)	450 x 650 x 1200					
Weight (kg) without battery	100	110	110	100	110	110
Weight (kg) with battery	250	260	260	250	260	260
Input/output connection	Hardwired 4w (separate bypass input available on request)					
Battery	Internal or external, 360 / 372 cells					
INPUT						
Nominal voltage	220/380, 230/400, 240/415 VAC three phase					
Voltage range	-20%, +10% from nominal					
Frequency	50/60Hz (45–65Hz)					
Power factor	0.99					
Current distortion (THDi)	3%					
OUTPUT						
Nominal voltage	220, 230, 240 VAC single phase			220/380, 230/400, 240/415 VAC three phase		
Frequency	50/60 Hz					
Voltage regulation	±1% static; ±2% dynamic 100% load change, <10 ms 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); 500% for 1 cycle (bypass)					
Efficiency	>95%					
EPS (Eco-mode)	>98%					
Options	Parallel capacity/redundancy; Isolation transformer; External bypass; External Battery cabinets; Battery switch box; Battery thermal probe; Transformers/autotransformers for voltage adaptation					
USER INTERFACE						
Front panel	Graphical LCD display, mimic with LED's and keyboard					
Standard communication ports	RS232 serial port, USB port, 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.

Full technical specification and product information can be found at www.pcl-ups.com

