

B8000 FXS Series

Online double conversion, 10kVA - 100kVA

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.



B8000 FXS Product Specification

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	30 kVA 3/3	40 kVA 3/3	50 kVA 3/3	60 kVA 3/3	80 kVA 3/3	100 kVA 3/3
Capacity (kW)	9	13.5	18	9	13.5	18	27	36	45	54	72	90
Dimensions W x D x H (mm)	450 x 650 x 1200										460 x 922 x 1693	
Weight (kg) without battery	100	110	110	100	110	110	140	140	170	170	328	333
Weight (kg) with battery	250	260	260	250	260	260						
Input/output connection	Hardwired 4w (seperate bypass input available on request)											
Battery	Internal or external, 360 / 372 cells						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										<62	

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More information at www.EcoPowerSupplies.com

