


B9600FXS technical data				www.borri.it	
Rating (kVA)	400	500	600	800	
Nominal power (kW)	360	450	540	720	
Dimensions WxHxD (mm)	1990x1920x990	2440x2020x990	2440x2020x990	3640x1920x990	
UPS weight (kg)	1820	2220	2400	3600	
Battery configuration	External, 300÷312 cells, VRLA (other options)				

Input	
Connection type	Hardwired 3w (rectifier), 4w (bypass)
Nominal voltage	380/400/415 Vac 3-phase (rectifier) 380/400/415 Vac 3-phase with neutral (bypass)
Voltage tolerance	-20%, +15%
Frequency and range	50/60 Hz (45÷65 Hz)
Power factor	0.99
Current distortion (THDi)	<3%

Output	
Connection type	Hardwired 4w
Nominal voltage	380/400/415 Vac 3-phase with neutral
Frequency	50/60 Hz
Voltage regulation	±1% static; dynamic: IEC EN 62040-3 Class 1
Power factor	up to 0.9, lagging or leading without power derating
Overload capacity	Inverter: 101÷125% for 10 min, 126÷150% for 1 min, 151÷199% for 10 s; bypass: 150% continuous, 1000% for 1 cycle
Efficiency (AC/AC)*	up to 98%
Classification as per IEC EN 62040-3	VFI-SS-111

Connectivity and function extensions	
Front panel	Graphical LCD display, mimic with LED and keyboard
Remote communication	Serial RS232 and USB; input terminal block for: remote emergency power off (REPO), battery circuit breaker aux. cont., external maintenance bypass circuit breaker aux. cont., diesel mode aux. cont.; optional: SNMP adapter (Ethernet), Web interface (Ethernet), ModBus-TCP/IP (Ethernet); ModBus-RTU (RS485); ModBus-RTU to PROFIBUS DP adapter; SPDT contact relay board; remote system monitoring panel; UPS managing and server shutdown software
Optional function extensions	Isolation transformer; transformers/autotransformers for voltage adjustment; maintenance bypass in extended cabinet or wall-mounted box; custom battery cabinets; wall-mounted battery fuse switch box; battery thermal probe; parallel kit for load sharing; load synch box; top cable entry

System	
Protection degree	IP 20 (other options)
Colour	RAL 9005 (other options)
Installation layout	Wall, back to back and side by side installation allowed
Accessibility	Front and top access, bottom cable entry

*certified by TÜV NORD according to IEC EN 62040-3

Other features

Environmental	
Operating temperature range	0 °C ÷ +40 °C
Storage temperature range	-10 °C ÷ +70 °C
Altitude	<1000 m
Audible noise at 1m (dBA)	<62

Standards and certifications	
Quality assurance, environment, health and safety	ISO 9001:2008, ISO 14001:2004, GOST, BS OHSAS 18001:2007
Safety	IEC EN 62040-1
EMC	IEC EN 62040-2
Test and performance	IEC EN 62040-3 (VFI-SS-111)
Protection degree	IEC 60529
Marking	CE

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