B8031FXS technical data	BORRI		www.borri.it
Rating (kVA)	10	15	20
Nominal power (kW)	9	13.5	18
UPS dimensions WxHxD (mm)		450x1200x670	
UPS weight (kg)	100	110	110
UPS weight with internal	Min. 175	Min.260	Min.260
battery (kg)	Max.285	Max.275	Max.275
External battery module dimensions WxHxD		500x1200x670	
Battery configuration	Interno	ll or external, 360÷372 cells, VRLA (other	options)
Input			
Connection type		Hardwired 4w (rectifier), 2w (bypass)	
Nominal voltage	380/400/415 Vac 3-phase with neutral (rectifier) 220/230/240 Vac 1-phase (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 2w	
Nominal voltage		220/230/240 Vac 1-phase	
Frequency		50/60 Hz	
Voltage regulation		1% static; dynamic: IEC EN 62040-3 Clas	
Power factor	<u> </u>	0.9, lagging or leading without power de	
Overload capacity	Inverter: 101÷125% for 10 min, 126÷150% for 30 s, >150% for 10 s; bypass: 150% continuous, 1000% for 1 cycle		
Efficiency (AC/AC)*		up to 98%	 natio
Classification as per IEC EN 62040-3		VFI-SS-111	n confirr
Connectivity and function extensions			
Front panel	Graphic	display, mimic LED panel and keyboard, l	local EPO
Remote communication	Up to 98% VFI-SS-111 Graphic display, mimic LED panel and keyboard, local EPO Serial RS232 and USB; terminal block for battery breaker auxiliary contact. Optional: input terminal block (remote emergency power off, battery circuit breaker aux. cont., external maintenance bypass circuit breaker aux. cont., diesel mode aux. cont.); 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; external maintenance bypass; custom battery cabinets; wall-mounted battery fuse switch box; battery thermal probe; parallel kit IP 20 RAL 7016		
System		, , , , , , , , , , , , , , , , , , , ,	to to
Protection degree		IP 20	
Colour	RAL 7016		
Installation layout	10 cm wall-gap, side by side installation allowed		
Accessibility	Front and top access, bottom cable entry		
*according to IEC EN 62040-3 Other features Environmental			data in this document is subject to
Operating temperature range		0 °C ÷ +40 °C	
Storage temperature range	0 °C ÷ +40 °C -10 °C ÷ +70 °C <1000 m		
Altitude	<1000 m		
Audible noise at 1m (dBA)	<62		
Standards and certifications		·	ontin
Quality assurance, environment, health and	ISO 9001:20	08, ISO 14001:2004, GOST, BS OHSAS	2 18001:2007 OM G&C 040 B - Due to our policy of continuous
safety Safety	EC EN 62040-1 କୁ		
EMC	IEC EN 62040-2		
Test and performance	IEC EN 62040-3 (VFI-SS-111)		
Protection degree	IEC 60529		
Marking		CE	
			0

Operating temper		
	Operating	temper