

11 Technical specifications

11.1 Technical Data Sheet

GENERAL DATA	G2 1kVA B/ S	G2 2kVA B/ S	G2 3kVA B/ S
Output rated power	900 W	1'800W	2'700W
Output power factor	0.9	0.9	0.9
Topology	Online double conversion		
Parallel configuration	No	No	No
Inbuilt batteries	Yes/No	Yes/No	Yes/No
INPUT			
Nominal input voltage	220/230/240 VAC		
Input voltage tolerance	100-300 VAC (load dependent)		
Input current THDi	5% with full resistive load		
Frequency range	45-55 Hz / 54-66 Hz		
Power factor	≥0.99		
OUTPUT			
Rated output voltage	220/230/240 VAC		
Voltage tolerance	±1% (referred to 230V)		
Voltage distortion	<2% linear load, <6% non linear load		
Overload capacity (linear load) on inverter	60s: 106-130% load 10s: 131-150% load 300ms: ≥ 150% load		
Nominal frequency	50 or 60 Hz		
Crest factor	3:1 (load supported)		
EFFICIENCY			
Overall system efficiency	Up to 89%	Up to 91%	Up to 91%
In eco-mode	Up to 97.5%	Up to 98%	Up to 98%
ENVIRONMENT			
Protection rating	IP20		
Storage temperature	UPS: -25°C to 60°C; Batteries: 0°C to 35°C		
Operating temperature	0°C to 40°C		
Relative humidity	0% to 95%		
Altitude (above sea level)	1000m without derating		
BATTERIES			
Type	VRLA (valve regulated lead-acid)		
Inbuilt batteries	2x9.4 Ah (B)	4x9.4Ah(B)	6x9.4Ah(B)
Charging current	1.5A/3-6A adjustable	1.5A/1.5-6A adjustable	1.5A/1.5-6A adjustable
Recharge time (inbuilt batteries)	4h to 90%		
COMMUNICATIONS			
User interface	LCD display		
Optional communication cards	SNMP;ModBus;AS400;Environmental monitoring sensor probe		
STANDARDS			
Safety	IEC/EN 62040-1		
EMC	IEC/EN 62040-2		
Performance	IEC/EN 62040-3		
Manufacturing	ISO 9001:2015, ISO 14001:2015, OHSAS 18001		
WEIGHT, DIMENSIONS			
Weight	9.2/3.9 Kg	17.4/6.4 Kg	22.7/6.4 Kg
Dimensions w x h x d	144x228x356 mm 102x228x346mm	190x327x399 mm 102x327x390 mm	190x327x399 mm 102x327x390 mm