



Main features	
Application	<ul style="list-style-type: none"> power supply for circulation pumps or other electric equipment during power cuts solid-fuel boilers can be safely cooled down after a power cut occurs
Description	<ul style="list-style-type: none"> consists of electronic circuits ensuring battery charging and protection, inverter, power outlets for the equipment to be power supplied, cable to connect to grid and external lead acid battery
Properties	<ul style="list-style-type: none"> the output waveform is a sine wave offering trouble-free operation of high-efficiency circulation pumps – tested on Wilo and Grundfos pumps automatic switching from grid to battery and vice versa smart two-step battery charging with overcharge protection battery protection from overcharge and deep discharge multi-function LED and sound signals

Codes	
16931	<i>PG 1000 Backup Power Supply with 44 Ah external battery</i>
12435	<i>PG 1000 Backup Power Supply with 100 Ah external battery</i>

Technical data		
Backup Power Supply	PG 1000-44	PG 1000-100
Input	nominal voltage	230 V 50 Hz
	voltage range	170 - 260 V 50 Hz
Output	max. inverter output	600 W
	nominal voltage	230 V
	voltage range (backup mode)	+10 % / -18 %
	frequency	50 Hz
	frequency tolerance (backup mode)	± 0,5 Hz
	output waveform (backup mode)	modified sine wave
Others	dimensions (d x w x h)	224 x 255 x 80
	weight	15,3 kg 31,7 kg
	ambient working temperature	0 - 40 °C
	ambient relative humidity	0 - 90 % non-condensing
	noise level	< 45 dB

Battery		
Type	lead acid battery	
Technical data	nominal voltage	12 V
	number	1
	capacity	44 Ah / 12 V 100 Ah / 12 V

Backup time		
output load power consump (230 V)	65 W	120 W
backup period	4 h 23 min	5 h 15 min
output load power consump (230 V)	100 W	250 W
backup period	2 h 46 min	2 h 31 min