


Main features

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| 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

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| 12505 | <i>PG 500 Backup Power Supply with 18 Ah external battery</i> |
| 9140 | <i>PG 500 Backup Power Supply with 44 Ah external battery</i> |

Technical data

Backup Power Supply		PG 500-18	PG 500-44
Input	nominal voltage	230 V 50 Hz	
	voltage range	170 - 260 V 50 Hz	
Output	max. inverter output	200 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	8 kg	15,3 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	18 Ah / 12 V	44 Ah / 12 V

Backup time

output load power consump (230 V)	20 W	65 W
backup period	6 h 30 min	5 h 48 min
output load power consump (230 V)	45 W	100 W
backup period	3 h	3 h 42 min