# DATA SHEET

## PG 500 Compact Backup Power Supply



| Main features | |
|---|---|
| **Application** | • power supply for circulation pumps or other electric equipment during power cuts<br>• solid-fuel boilers can be safely cooled down after a power cut occurs |
| **Description** | • consists of two integrated AGM batteries, electronic circuits ensuring battery charging and protection, inverter, power outlets for the equipment to be power supplied and cable to connect to grid |
| **Properties** | • the output waveform is a sine wave offering trouble-free operation of high-efficiency circulation pumps – tested on Wilo and Grundfos pumps<br>• automatic switching from grid to battery and vice versa<br>• smart two-step battery charging with overcharge protection<br>• battery protection from overcharge and deep discharge<br>• multi-function LED and sound signals<br>• very silent operation due to the absence of fan |

| Code | |
|---|---|
| **16214** | *PG 500 Compact Backup Power Supply with integrated 18 Ah batteries (2x9 Ah) / 12 V* |

| Technical data | | |
|---|---|---|
| **Backup Power Supply** | | **PG 500 Compact** |
| **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) | 195 - 255 V |
| | frequency | 50 Hz |
| | frequency tolerance (backup mode) | ± 1 Hz |
| | output waveform (backup mode) | modified sine wave |
| **Others** | dimensions (d x w x h) | 335 x 125 x 195 mm |
| | weight | 11 kg |
| | ambient working temperature | 0 - 25 °C |
| | ambient relative humidity | 0 - 90 % non-condensing |
| | noise level | IP 20 |
| | noise level | silent run (no fan) |

**Date of the first connection of the new power supply to the grid: no later than the date indicated on the packaging. Maximum time without mains connection (power off, fully charged batteries): 3 months (may get shorter for batteries older than 2 years). To fully charge the batteries, the power supply must be connected to the mains for at least 24 hours without network outage.**

| Battery | | |
|---|---|---|
| **Type** | | **lead acid battery** |
| **Technical data** | nominal voltage | 12 V |
| | number | 2 |
| | capacity | 18 Ah (2 x 9 Ah) / 12 V |

| Backup time | |
|---|---|
| output load power consump (230 V) | 20 W |
| backup period | 5 h |
| output load power consump (230 V) | 45 W |
| backup period | 3 h 30 min |

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