

DATA SHEET

PG 500 Compact Backup Power Supply



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 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	<ul style="list-style-type: none"> The output voltage has the shape of a modified sinusoid. Not suitable for electronics and PWM 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. Very silent operation due to the absence of fan.
Code	16214 – PG 500 Compact Backup Power Supply with integrated 18 Ah (2 x 9 Ah)/12 V.

Technical Data

Backup Power Supply		PG 500 Compact
Input	nominal voltage voltage range	230 V 50 Hz 170–260 V 50 Hz
Output	max. inverter output nominal voltage voltage range (backup mode) frequency frequency tolerance (backup mode) output waveform (backup mode)	600 W 230 V 195–255 V 50 Hz ± 1 Hz modified sine wave
Others	dimensions (d x w x h) total weight with batteries ambient working temperature ambient relative humidity cover noise level	335 x 125 x 195 mm 11 kg 0–25 °C 0–90 % non-condensing IP 20 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 number capacity	12 V 2 18 Ah (2 x 9 Ah)/12 V

Backup Time

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