

# PROTECT A.

## SINGLE PHASE IN / OUT UPS SYSTEM

Uninterruptible Power Supply

1-Phase Input; 1-Phase Output

500–1400 VA power supply  
with integrated batteries



### Uninterruptible security for PC's, workstations and communications

Provide yourself with optimum protection with an uninterruptible power supply against data loss.

Thanks to its wide performance spectrum from 500 VA to 1400 VA, Protect A. series protects your data effectively and inexpensively from the unwanted consequences of power outages, fluctuations and dangerous spikes.

Protect A. performs confidently in critical situations where high availability is required, thanks to modern line interactive (VI) technology delivering robust protection from overload and overvoltage and a very wide supply range.

#### Easy to use

The reliable "one-board" design and the clear LCD display A. 1000/A. 1400 on the front clearly informs you about the most important operating conditions.

All models feature simple controls, an audible alarm and automatic frequency detection (50/60 Hz).

Ease of use is guaranteed by the inclusion of a cable set for a straightforward set up.

### Easy to control

All functions are microprocessor controlled and monitored; measurement values and messages are always available because Protect A. communicates via an RS232 or a USB interface to your MAC or PC. Through the included AEG shutdown software "CompuWatch", the unit allows you to control the most important operations as well as providing automatic shutdown during longer power outages.

### Main characteristics

- » Modern VI (line interactive) technology for power outages and dangerous over voltages
- » Automatic voltage regulation against line voltage deviations (AVR)
- » Double mains filter against voltage spikes
- » Easy installation ensured by cables supplied for optimum operation
- » Sealed, maintenance free lead-acid batteries with exhaustive charge protection
- » USB port and RS232 interface for control and data acquisition – PC or MAC
- » Data line protection

# PROTECT A.

SPECIFICATION

|  |  |              |  |              |
|--|--|--------------|--|--------------|
| <b>Classification VI SY 322 acc. to IEC 62040-3</b>                        | A. 500   | A. 700       | A. 1000  | A. 1400      |
| <b>Power type rating</b>   | 500 VA   | 700 VA       | 1000 VA  | 1400 VA      |
|  | 300 W  | 420 W        | 600 W  | 840 W        |
| <b>Part number</b>   | 600 000 6435   | 600 000 6436 | 600 000 6437   | 600 000 6438 |
| <b>UPS INPUT</b>   |  |              |  |              |
| <b>Input voltage</b>   | 220 V AC / 230 V AC / 240 V AC   |              |  |              |
| <b>Voltage range without battery mode</b>                                  | 170 – 280 V AC   |              |  |              |
| <b>Frequency (automatic selection)</b>                                     | 50 Hz / 60 Hz ±5 Hz  |              |  |              |
| <b>UPS OUTPUT</b>  |  |              |  |              |
| <b>Rated output voltage/AVR technology</b>                                 | 230 V AC   |              |  |              |
| <b>Rated output in battery mode</b>  | ±10 %  |              |  |              |
| <b>Frequency in battery mode</b>   | 50 Hz / 60 Hz ±1 Hz  |              |  |              |
| <b>Nominal output current (at 230 V AC)</b>                                | 2.2 A  | 3 A          | 4.3 A  | 6.1 A        |
| <b>Transfer time at mains outage</b>                                       | 2 – 6 ms (typical)   |              |  |              |
| <b>Voltage waveform</b>  | Approximated sinusoidal  |              |  |              |
| <b>Overload protection</b>   | Yes  |              |  |              |
| <b>BATTERY</b>   |  |              |  |              |
| <b>Type</b>  | Sealed, maintenance free (proprietary brand)   |              |  |              |
| <b>Autonomy time for 1 PC with 17" TFT</b>                                 | ~15 min.   | ~20 min.     | ~30 min.   | ~40 min.     |
| <b>Exhaustive discharge protection/<br/>protection against excess load</b> | Yes  |              |  |              |
| <b>Charging time (to 90 % of rated capacity)</b>                           | 8 h  |              |  |              |
| <b>COMMUNICATION</b>   |  |              |  |              |
| <b>Interfaces</b>  | USB and RS232 (with status messages measured values)   |              |  |              |
| <b>Shutdown software (on CD)</b>   | Included in delivery for all major operating systems (e.g. Windows, Linux, Mac)  |              |  |              |
| <b>Alarm messages (acoustic/visual)</b>                                    | Mains failure, overload, battery discharged, replace battery, fault  |              |  |              |
|  |  |              | LCD display for input and output voltage [V] / efficiency [%] / autonomy time [min.] |              |
| <b>GENERAL DATA</b>  |  |              |  |              |
| <b>Audible noise (1 m distance)</b>  | <40 dB(A)  |              | <45 dB(A) (AC-operation <40 dB(A))   |              |
|  | Fanless  |              | Speed controlled fan   |              |
| <b>Operating temperature range</b>   | 0° – 40°C  |              |  |              |
| <b>Humidity</b>  | 0 – 90 % (without condensation)  |              |  |              |
| <b>Operation altitude</b>  | Up to 1000 m at nominal load   |              |  |              |
| <b>EMC conformity</b>  | EN 62040-2 Class C2, EN 61000-3-2, EN 61000-3-3  |              |  |              |
| <b>Product safety</b>  | EN 62040-1   |              |  |              |
| <b>Data line protection</b>  | RJ11 (telephone, fax, modem)   |              | RJ11 / RJ45 (add. network), Ethernet 10 and 100 Mbit/s                               |              |
| <b>Outputs</b>   | 3 + 1 x IEC 320 C13  |              | 4 + 2 x IEC 320 C13  |              |
| <b>Equipment color</b>   | Blackline  |              |  |              |
| <b>Dimensions approx. W x H x D (mm)</b>                                   | 100 x 140 x 330  |              | 145 x 205 x 405  |              |
| <b>Weight approx.</b>  | 6 kg   | 6.5 kg       | 9.5 kg   | 10 kg        |
| <b>Shipment</b>  | Mains input cord (1 x EU, 1 x UK), 2 device connecting cables, management software "CompuWatch" (CD) incl. 1 network license USB and RS232 communication cable, operating instructions |              |  |              |
| <b>Conformity</b>  | CE   |              |  |              |

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## AEG Power Solutions

Approach your local AEG Power Solutions representative for further support. Contact details can be found on:

[www.aegps.com](http://www.aegps.com)

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