

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



VI

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

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

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