Ease of use

Protect A.

Uninterruptible security for PCs, workstations and telephone systems.

Optimally protect your system against loss of data when it matters with an uninterruptible power supply. Thanks to its wide power range of 500 VA to 1400 VA the PROTECT A. series offers effective and economical data protection during power failure, dangerous power surges and voltage fluctuations.
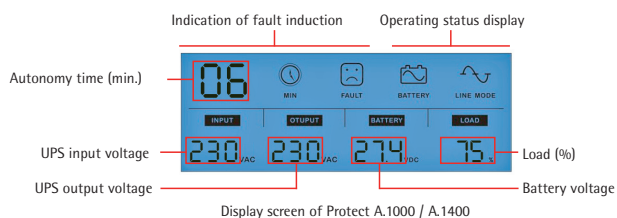
PROTECT A. proves itself in critical situations with its high availability due to a sturdy overload and excess voltage protection, as well as a wide input voltage range.

Easy handling

The reliable "One-Board-Design" and the front LCD clealy informs the user about the most important aspects of the operating status. The new designed front LCD of the Protect A.1000 and A.1400 conforms to the special requirements of the users and provides a special fast and clear overview. All models are characterised by their clear graphical display, acoustic alarm, automatic 50/60 Hz recognition and last but not least it can be used immediately as all cable sets are supplied.

USB and RS232 connection for easy control

All functions are microprocessor controlled, permanently monitored and are available as measurements and messages – as the PROTECT A. can communicate via a RS232 and USB connection with a PC or Mac. In connection with the special shutdown software the most important operating systems can be automatically powered down in the case of a longer power failure giving the user the ability to optimize any critical system operation time.

Protection against power failure and voltage fluctuations

- Modern VI (line-interactive) technology against power failure and dangerous overvoltage
- Automatic voltage regulation against mains voltage deviations (AVR)
- Double mains filter against voltage peaks
- Easy installation ensured by cables supplied and optimum operation
- Use of sealed, maintenance-free lead-acid batteries with exhaustive discharge protection
- USB port and RS232-interface
- Data line protection for phone, fax, modem (RJ11) and from 1000 VA on inclusive network protection (RJ45)
- 24 month warranty with advanced replacement service
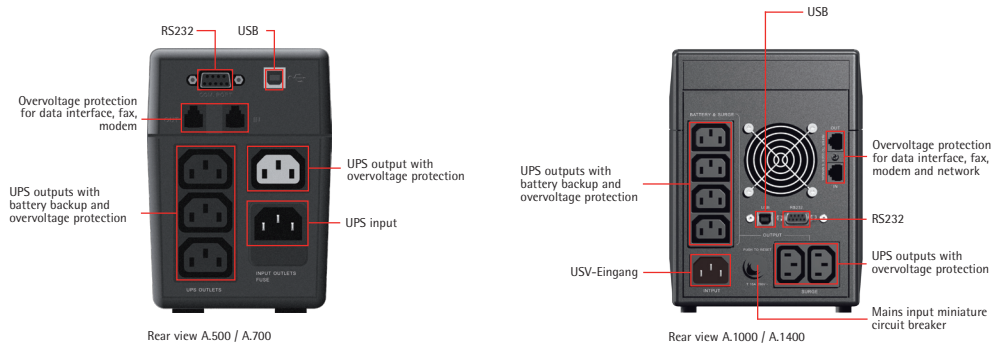

Indication of fault induction | Operating status display
Autonomy time (min.)
UPS input voltage | Load (%)
UPS output voltage | Battery voltage

Display screen of Protect A.1000 / A.1400

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PERFECT IN FORM AND FUNCTION

AEG

Classification VI SY 322 acc. to IEC 62040-3	A. 500	A. 700	A. 1000	A. 1400
Type rating	500 VA	700 VA	1000 VA	1400 VA
	300 W	420 W	600 W	840 W

USV INPUT

Nominal connection voltage	220 Vac/230 Vac/240 Vac			
Voltage range without battery operation	160–290 Vac		170–280 Vac	
Frequency (automatic detection)	50 Hz/60 Hz ± 5 Hz			

USV OUTPUT

Rated output voltage/AVR technology	220 Vac/230 Vac/240 Vac			
Rated output voltage in battery operation	± 10 %			
Frquency in battery operation	50 Hz/60 Hz ± 1 Hz			
Nominal output current (at 230 Vac)	2,2 A	3,0 A	4,3 A	6,1 A
Changeover time in the event of mains failure	2–6 ms (typical)			
Voltage curve	approximated sinewave			
Overload protection	yes	yes	yes	yes

BATTERY

Type	sealed, maintenance-free			
Autonomy time for 1 PC with 17" TFT	~ 15 min.	~ 20 min.	~ 30 min.	~ 40 min.
Exhaustive discharge protection/protection against excess load	yes	yes	yes	yes
Charging time (to 90% of rated capacity)	8 hrs			

COMMUNICATION

Interfaces	USB and RS232 (with status messages and measured values)		
Shutdown software (on CD)	included in delivery, for all major operating systems (e.g. Windows, Linux, Mac)		
Alarms (acoustic/optical)	mains failure, overload, battery discharged, replace battery, fault		
Status display	3 LEDs	LCD with additional display of important aspects of the operating status like autonomy time	

GENERAL DATA

Inherent noise (1m distance)	< 40 dB (A)		< 45 dB (A) (AC-operation < 40 dB (A))	
	(fanless)		speed-controlled fan	
Operating temperature range	0°–40°C			
Relative humidity	0–90 % (without condensation)			
Load outputs	3 + 1 x IEC 320 C13		4 + 2 x IEC 320 C13	
Overvoltage protection for data lines	RJ11 (phone, fax, modem)		RJ11/RJ45 (add. network), Ethernet 10 & 100 Mbps	
Housing colour	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
Scope of delivery	Mains connection, 2 device connecting cables, management software			
	"CompuWatch" (CD) incl. 1 network licence,			
	USB and RS232 communication cable, operating instructions			
Conformity	CE			

Rear view A.500 / A.700

Rear view A.1000 / A.1400

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PERFECT IN FORM AND FUNCTION

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