

PROTECT NAS / B.500 – B.1500



Software-
independent



Pure
Sine-wave



NAS
edition

AEG
POWER SOLUTIONS

RUNNING A BUSINESS IS FUN, BUT IT'S ALSO HARD WORK



MODERN BUSINESS IS ALL ABOUT DATA & CONNECTIVITY



- Every enterprise works with **data and software**: applications, billing data, address data, etc.
- **Hardware** must be available and running 24 hours a day, 7 days a week

A reliable electrical power supply is essential for all modern-day businesses

MANY THINGS CAN INTERRUPT A CONSTANT POWER SUPPLY

For example ...



Problems at the power plant (e.g. mistakes, accidents)

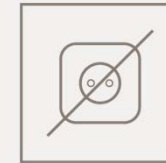


Problems with transport (e.g. bad weather conditions)

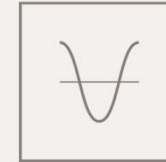


Local problems (e.g. damage of electric power infrastructure)

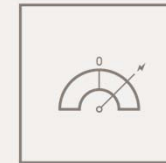
Insufficient power quality



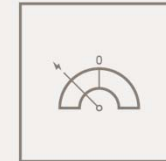
Outage-blackouts



Sags/brownouts



Overvoltage

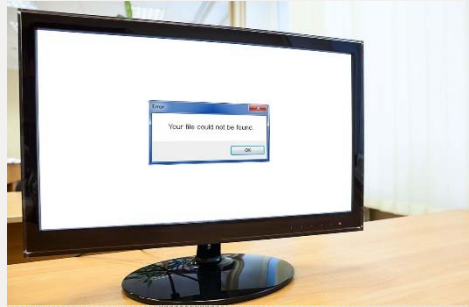


Undervoltage

PHYSICAL SAFEGUARDING IS NECESSARY TO PREVENT DAMAGE



Insufficient
power
quality



LOSS OF DATA

Improper shutdowns may cause **data loss** or **file corruption**



DAMAGE ON HARDWARE

Overvoltage may **damage connected devices**

The most common consequence of these easily preventable events is cost-intensive downtime

PROTECT B HIGHLIGHTS

An uninterruptible power supply (UPS) is essential to ensure smooth operation and sufficient data protection



PROTECTION AGAINST THE MOST COMMON POWER PROBLEMS



PROTECT B SERIES



For small offices, we recommend our single-phase UPS Protect B

The UPS

- monitors voltage levels, while balancing both undervoltages and overvoltages without relying on battery power
- compensates power outages with its built-in battery
- is compact, quiet, and easy to operate

THE FEATURE SET HAS EVERYTHING YOU NEED FOR COMFORTABLE USE

PROTECT B SERIES



- Line-Interactive UPS with pure sine-wave output
- Built-in Buck & Boost automatic voltage regulation (AVR) technology
- Easy to operate:
 - Installation plug & play
 - Hot swappable battery exchange
 - HID compliant USB Power Device interface
- Data line surge protection (RJ11 & RJ45) for phone, router, and network
- Mute button for alarm buzzer

THE NEW PROTECT B GENERATION IS BETTER THAN EVER



Protect B

Reliable Protection for
small business servers,
storage, and network equipment

Protect B.500 = 500 VA / 350 W

Protect B.750 = 750 VA / 450 W

Protect B.1000 = 1000 VA / 700 W

Protect B.1500 = 1500 VA / 900 W

Redesigned high-contrast LCD display

Software-independent communication

Refined hardware (battery saving)

Designed to protect the most sensitive
equipment

- Network-attached storage (NAS)
- 3D printers

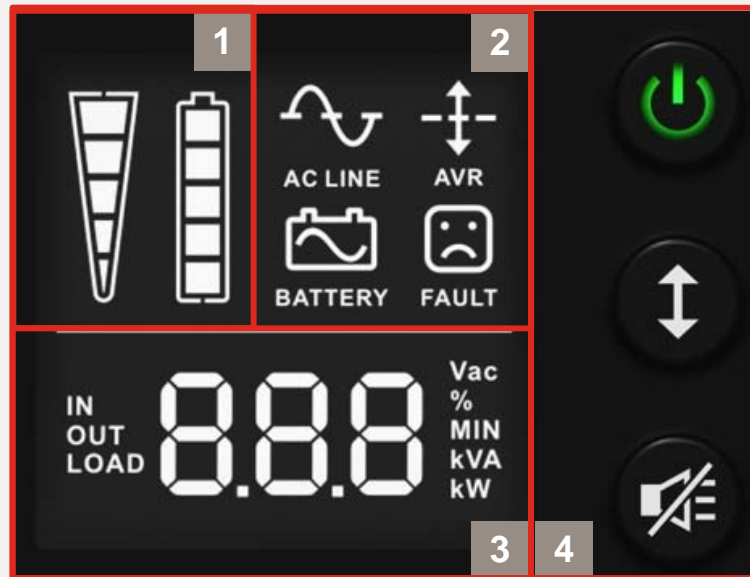


Protect NAS
Extra-long autonomy time

Protect NAS = 500 VA / 250 W

IT IS EASY TO MANAGE

The high-contrast LCD display provides clear information on UPS status



- 1 Displays bar graphs for load level and battery capacity
- 2 Status screen and fault indication
- 3 The remaining runtime in minutes, and other measurements
- 4
 - Illuminated On/Off switch
 - LCD scrolling button
 - Mute button (alarm buzzer)

BEGINNER-FRIENDLY MONITORS & NOTIFICATIONS



UPS normal mode
Mains voltage displayed



UPS normal mode
Output voltage displayed



UPS normal mode
Load displayed [%]

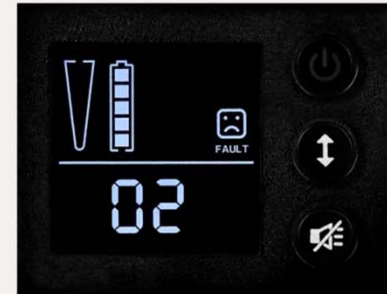
Simple indications make it easy for anyone to closely monitor a PROTECT B device



UPS normal mode
Backup time displayed

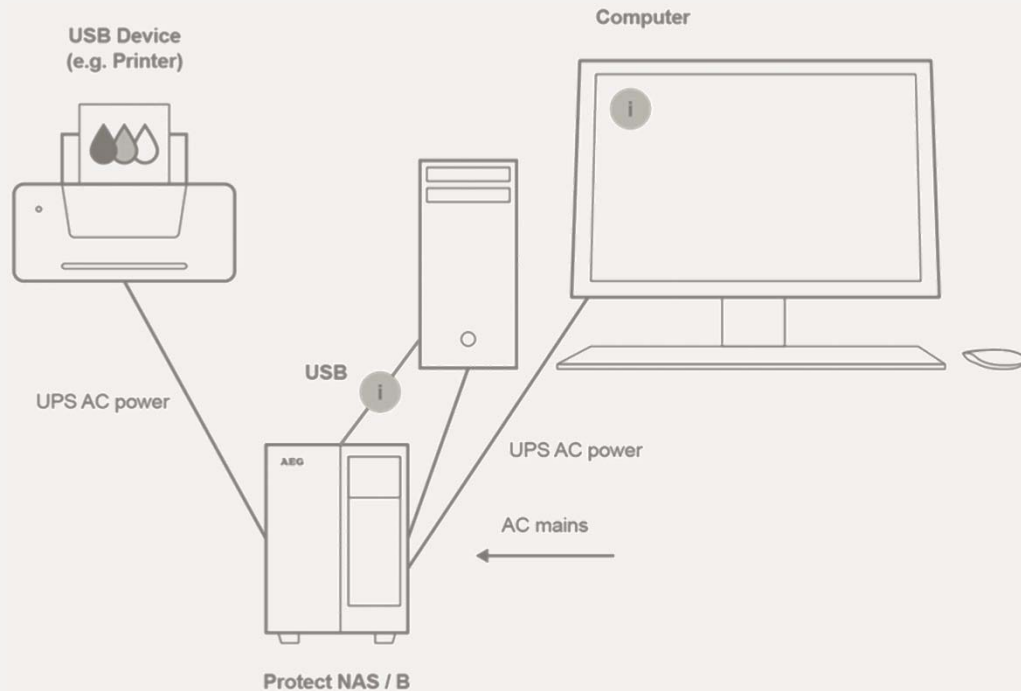


Mains failure / UPS in
battery mode
Backup time displayed



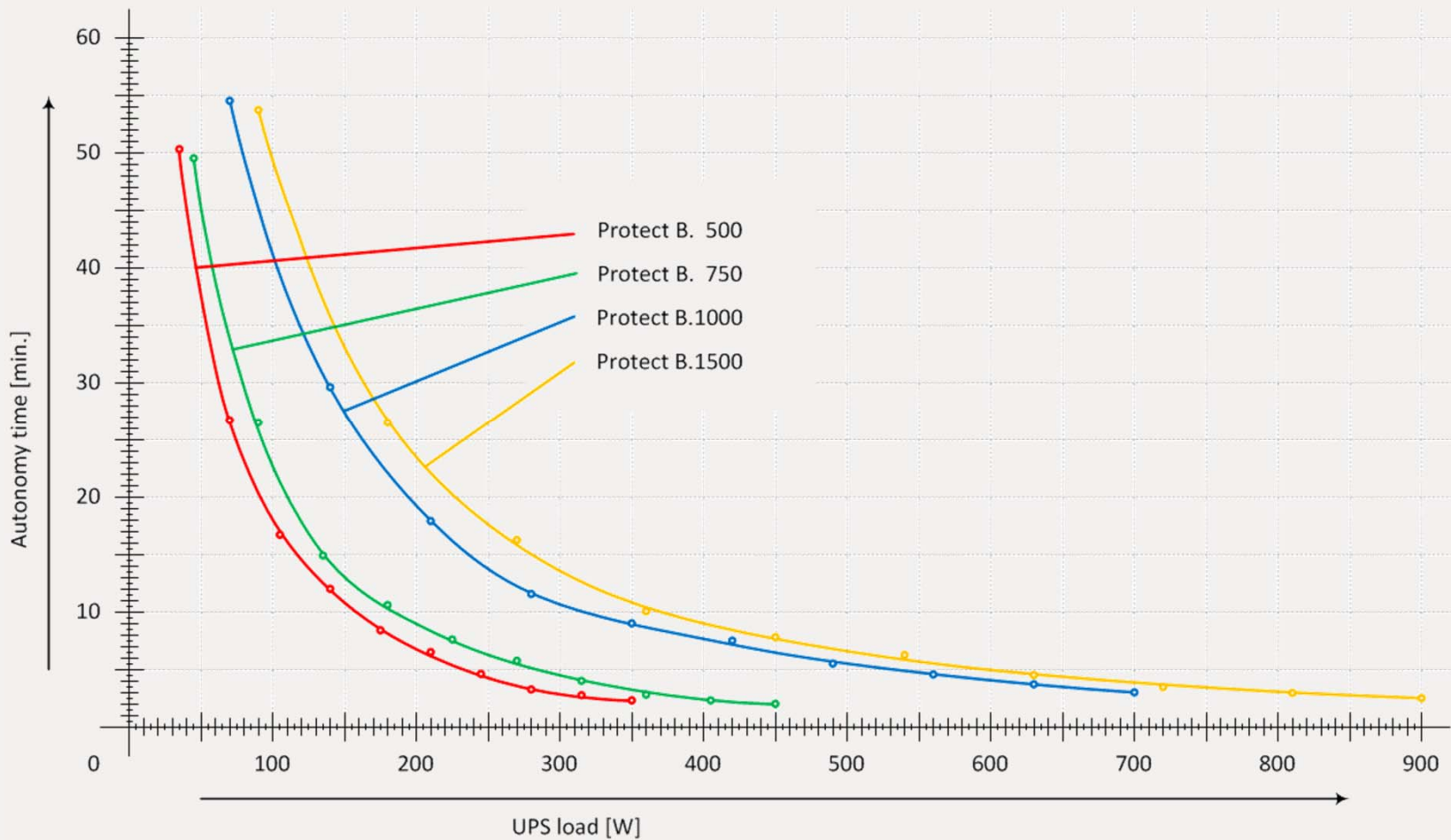
Fault indication
e.g. „02“ = Overload

PROTECT B ENABLES SOFTWARE-INDEPENDENT COMMUNICATION



- The USB port is human interface device (HID) compliant for easy integration
- The HID power device informs connected devices if they are running in battery mode
- The UPS causes a regular shutdown before the autonomy time expires
- These essential features save users from purchasing additional software for their system

PROTECT B GIVES YOU MORE TIME

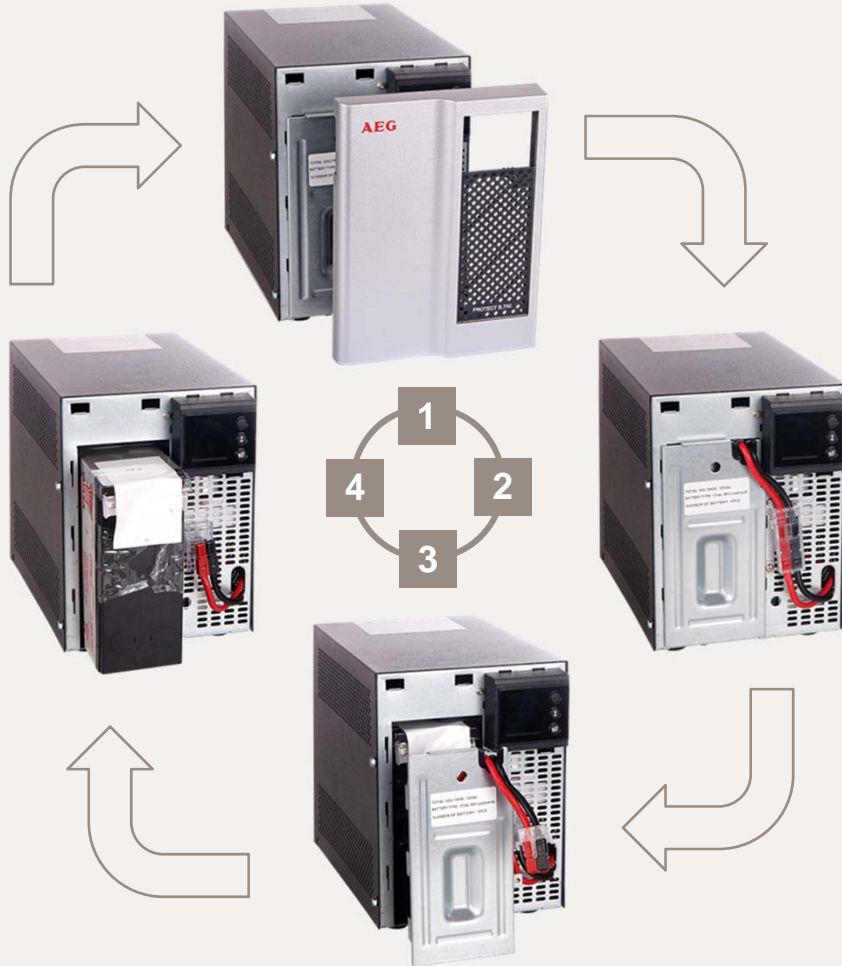


AUTONOMY TIME AT PART LOAD



<u>Load</u>	<u>B. 500</u>	<u>B. 750</u>	<u>B. 1000</u>	<u>B. 1500</u>
10%	50.3 min.	49.5 min.	54.5 min.	53.7 min.
20%	26.7 min.	26.8 min.	29.7 min.	26.5 min.
30%	16.7 min.	15.0 min.	17.9 min.	16.3 min.
40%	12.0 min.	10.6 min.	11.6 min.	10.0 min.
50%	8.4 min.	7.6 min.	9.0 min.	7.9 min.
60%	6.5 min.	5.8 min.	7.3 min.	6.2 min.
70%	4.6 min.	4.0 min.	5.5 min.	4.5 min.
80%	3.3 min.	2.8 min.	4.3 min.	3.4 min.
90%	2.7 min.	2.4 min.	3.7 min.	2.9 min.
100%	2.3 min.	2.0 min.	3.0 min.	2.5 min.

NO MAINTENANCE SERVICE NEEDED



- Refined hardware ensures an extra-long battery lifespan
- User-friendly hot-swappable battery design
- Runs in „Green mode“ to improve battery life
- 2 year standard warranty with additional warranty extensions available

The UPS front panel makes it easy to replace the batteries

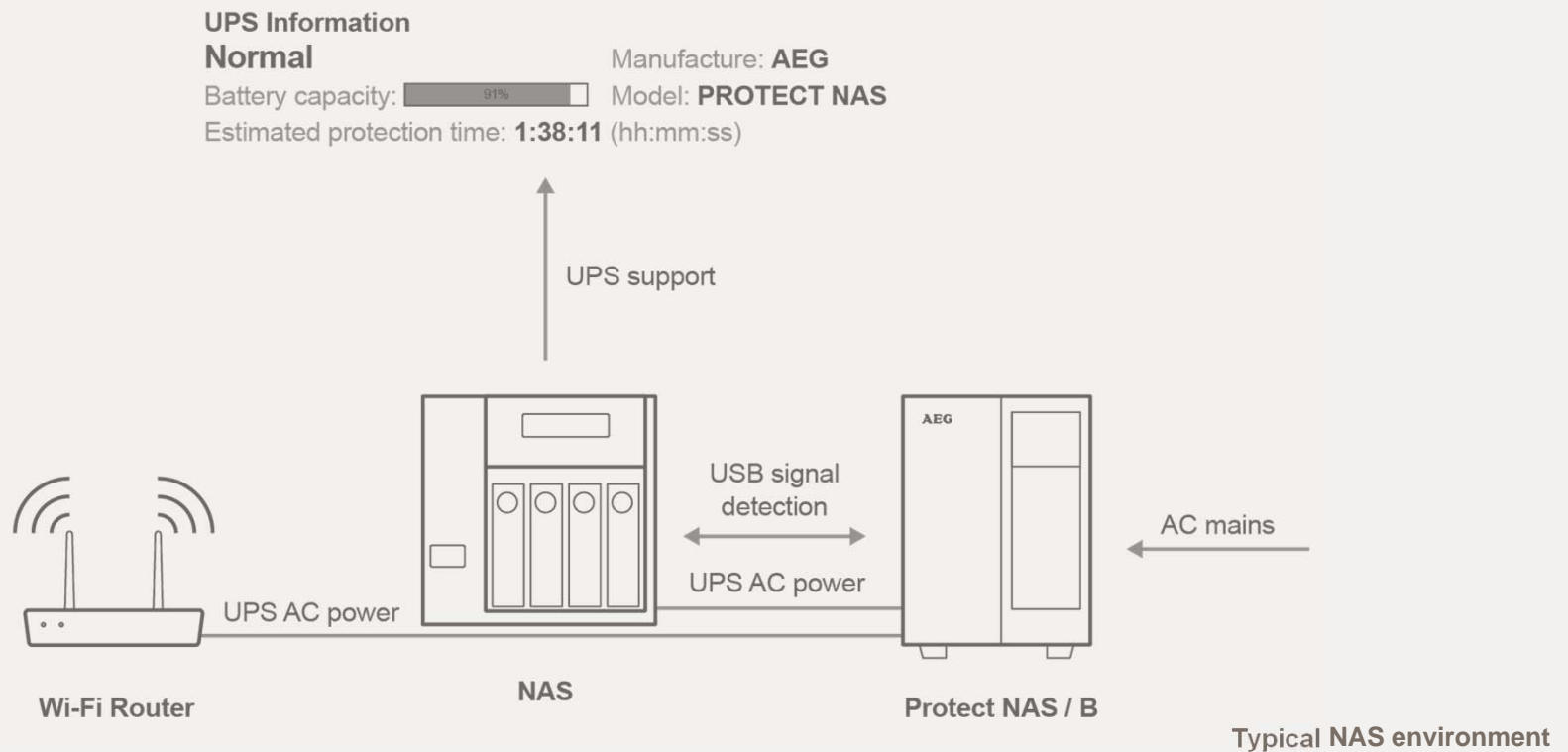
PROTECT NAS HIGHLIGHTS

Network-attached storage systems are the modern way to share data. Protect NAS is the perfect match for all of your data storage and hardware protection needs.

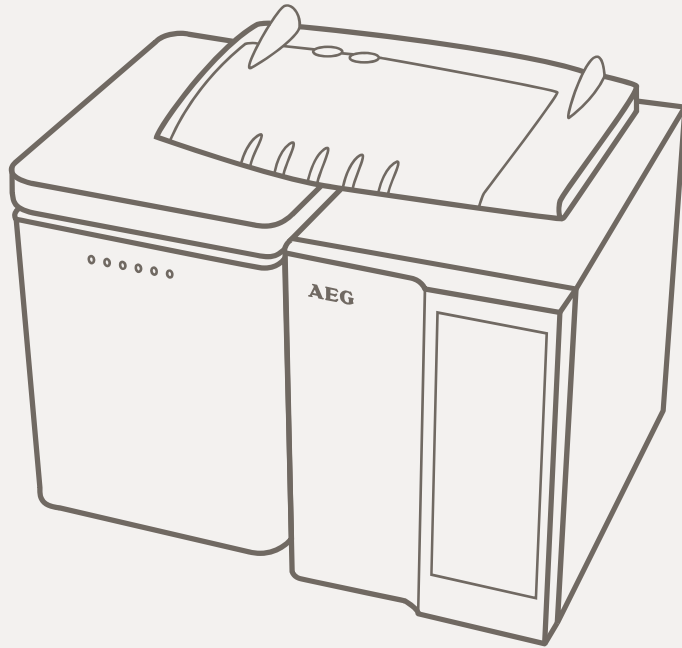


PROTECT NAS IS A PERFECT FIT FOR NETWORK-ATTACHED STORAGE

The HID power interface allows the USP to be integrated directly to a network-attached storage (NAS) management system



PROTECT NAS RUNS QUIETLY AND IS LOCATION-INDEPENDENT



Protect NAS:

- Much longer autonomy time in the lower partial load range (up to 2 hours)
- Pure sinewave output to protect sensitive equipment
- Compact and fanless design operates silently
- Perfect solution for home networks, ATMs, kiosks, ticket machines and much more

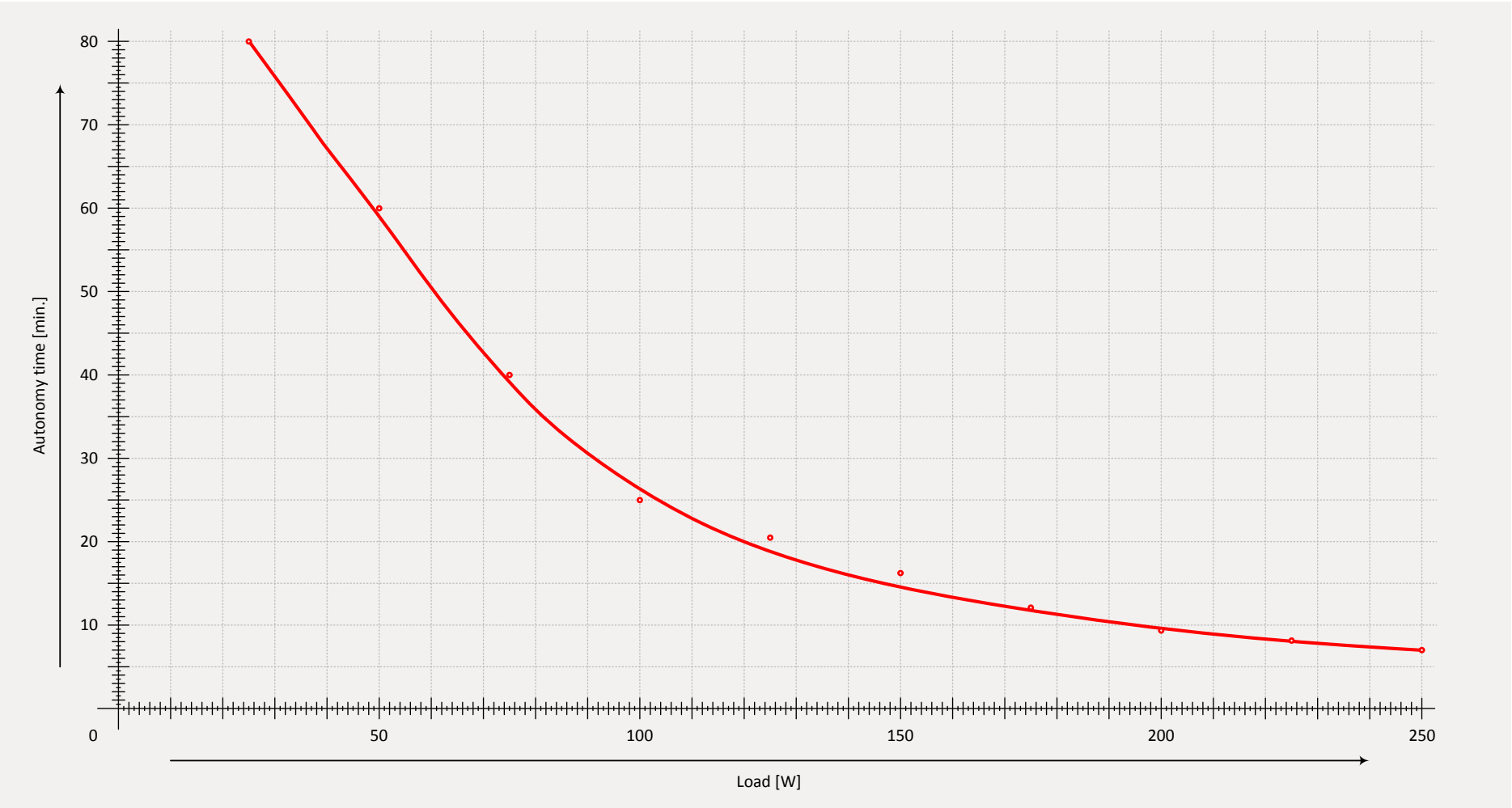
Protect NAS is ideal for both office and home environments

e.g. QNAP TS-453 mini with 4HDDs 3TB WD RED each:
active power consumption 32W (active) / 27W (standby);
Autonomy time: 80 minutes

YOUR SET-UP IS EASILY MANAGED VIA HID POWER DEVICE PROTOCOL



PROTECT NAS IS OPTIMISED FOR EXTRA LONG AUTONOMY TIME



Load	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Time [min.]	80	60	40	25	20.5	16.3	12.1	9.4	8.2	7.0

PROTECT B / NAS INFORMATION

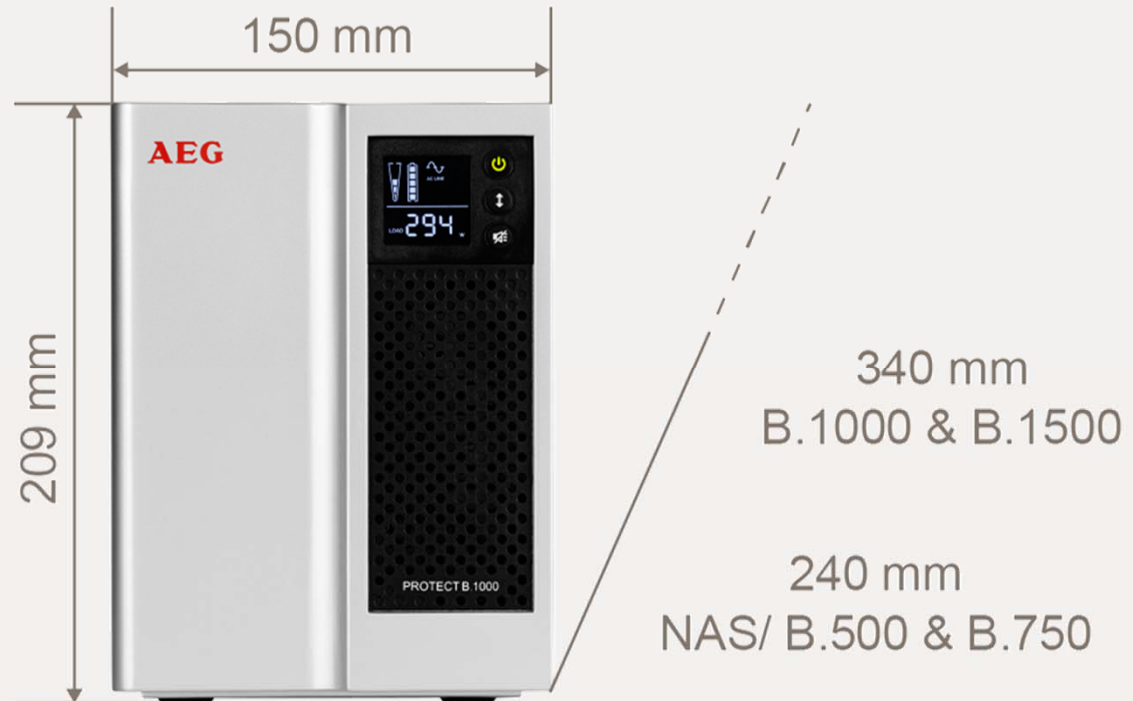
- Dimensions
- Rear view
- Shipment
- Contact



THE SLIM PROTECT B SERIES FITS ANY WORKPLACE

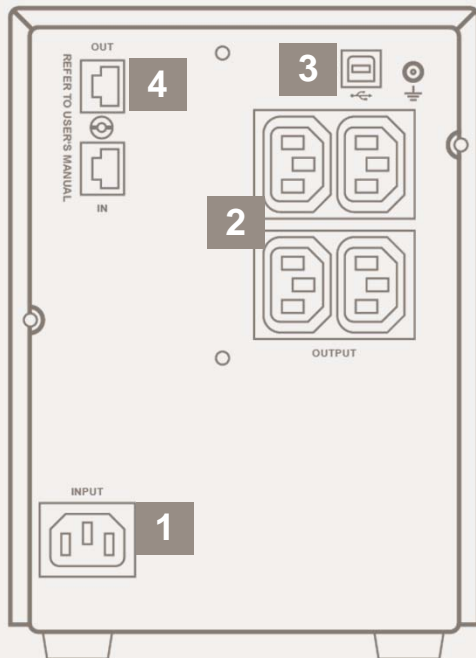


The compact size makes it easy to integrate the UPS within small spaces, for example ATMs and kiosks



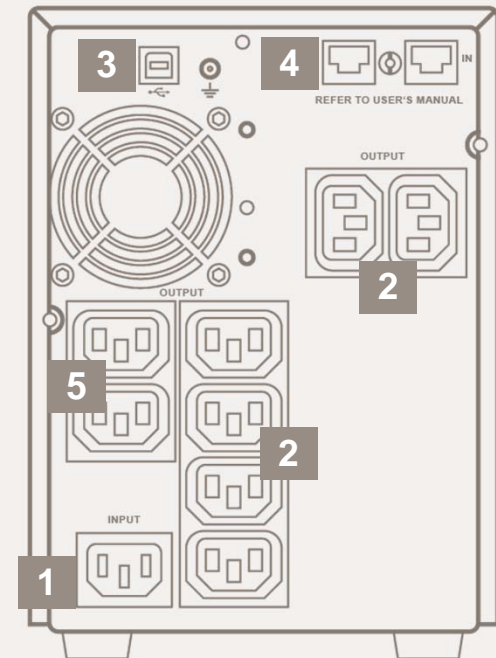
INSTALLATION IS EASY: JUST PLUG & PLAY

PROTECT NAS, B.500, B.750

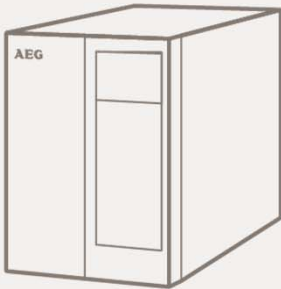


- 1 AC input (UPS input)
- 2 IEC outlets (UPS output)
UPS buffered and surge protected
- 3 USB interface with
HID Power Device
protocol
- 4 Additional surge protection
(RJ11/RJ45) for telephone,
fax, router, and network
connections
- 5 IEC outlets (UPS output)
Surge protected UPS
outlets

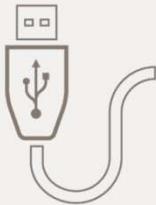
PROTECT B.1000, B.1500



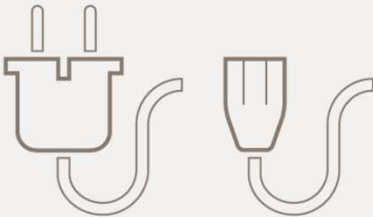
EVERYTHING TO PROTECT YOUR WORK IS INCLUDED



UPS Unit



USB Cable



AC Input Power Cord
AC Output Power Cord



CompuWatch application
(5 user network licence)
for more extensive
monitoring and
management tasks



Operating & Safety
Instructions

CONTACT



AEG Power Solutions is a global designer and provider of power electronic systems and solutions for all critical power supply needs.

Always leading through innovation, we aim to permanently secure the power supply chain, and continually deliver improvements to power solutions across the globe.

Contact information

<http://www.aegps.com/en/contact/>

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IT'S WORTH IT.

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