PROTECT A

Compact Power Protection from
500 – 1500 VA

A compact uninterruptible power supply designed to provide mains power protection and battery back-up for desktop systems and network peripherals with an internal battery providing several minutes runtime when the mains power fails (load dependent). The system is designed for easy 'plug and play' installation.

Protect A is part of the AEG Power Solutions' 'intelligent' and energy efficient Compact UPS range. The UPS features an informative front panel with two USB ports convenient for phone and tablet charging.
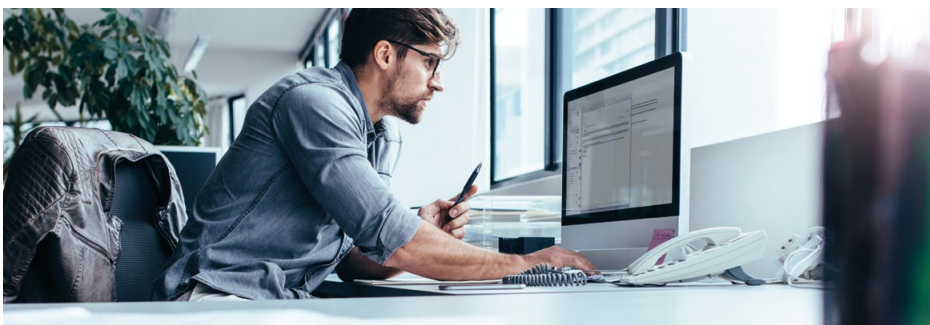
Typical applications
- Standard office application (PCs, workstations, retail terminals, etc.)
- Network and telecom peripherals
- Industry 4.0 data logging
- Internet of Things (IoT) devices
- TVs, satellite receivers and media systems

FEATURES

- Easy to use informative front panel LCD display
- Percentage bars, graphic indicators and meters
- On/off/cancel audible alarm
- Two USB ports (5 V/2 A) for charging phones and tablets
- IEC320 outputs with back-up power and over-voltage protection
- IEC320 outputs for load shedding on mains power failure
- RJ45 Ethernet 1 Gigabit (1000 Mbit/s) surge protection
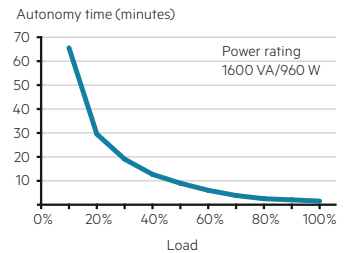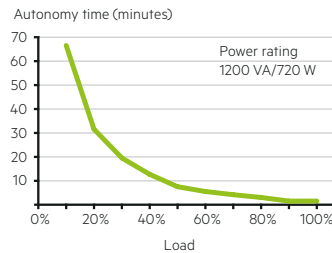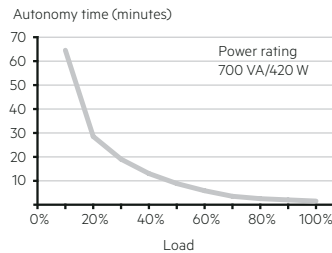- RS232 and USB HID ports (software-free recognition)

BENEFITS

- **Line interactive VI technology**
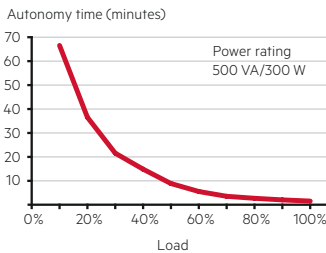
- Automatic Voltage Regulator (AVR) **protects from brownouts, sags and surges**

- **Double mains filtering** from spikes and transient voltages

- **"Plug & Play" installation** with mains and output cables supplied

- Sealed lead-acid **maintenance free battery** with deep-discharge protection

- **Silent operation** (fan-less design) and auto restart on mains power return

Specifications

	PROTECT A.500 LCD	PROTECT A.700 LCD	PROTECT A.1200 LCD	PROTECT A.1600 LCD
Capacity	500 VA/300 W	700 VA/420 W	1200 VA/720 W	1600 VA/960 W
INPUT				
Voltage	230 VAC			
Voltage range	170~280 VAC			
OUTPUT				
Voltage	230 VAC			
Voltage regulation	± 10 % (Battery mode)			
Frequency range	50/60 Hz			
Frequency regulation	± Hz (Battery mode)			
Transfer time	Typical 2 – 6 ms		Typical 4 – 8 ms	
Waveform	6 ms typical 4 – 8 ms Waveform modified Sine Wave			
PROTECTION				
Full protection	Discharge, overcharge and overload protection			
ENVIRONMENT				
Humidity	0 – 90 % RH @ 0° – 40°C (non-condensing)			
Noise level	Less than 40 dB		Less than 45 dB	
SOFTWARE				
Monitoring software	WinPower (included)/HID			
BATTERY				
Type & Number	12 V/7 Ah x 1	12 V/9 Ah x 1	12 V/7 Ah x 2	12 V/9 Ah x 2
Charging time	4 hour recovery to 90 % capacity			
Backup time (est. 100 W)	17 min	22 min	45 min	55 min
PHYSICAL				
LCD indicator	LCD display			
Outlet	3* backup + 1* Bypass		4* backup + 2* Bypass	
USB charger	DC 5.1 V/2.0 amp max.sc			
Connector	USB communication port, 1000 Mb ethernet surge protection			
Dimension (D x W x H)	290 mm x 100 mm x 143 mm		360 mm x 139 mm x 195 mm	
WEIGHT				
Net weight	4.4 kg	5.2 kg	9.7 kg	0.7 kg

Autonomy time (minutes) — Power rating 500 VA/300 W — Load

Autonomy time (minutes) — Power rating 700 VA/420 W — Load

Autonomy time (minutes) — Power rating 1200 VA/720 W — Load

Autonomy time (minutes) — Power rating 1600 VA/960 W — Load