

AROS

Via Somalia, 20
20032 Cormano, Milano - Italy
Ph. +39 02 66327.1
Fax: +39 02 66327.231
E-mail: export@aros.it
www.aros.it

AROS PARTNER

PC Planet
Syncro
e-Sentinel

UPS from 400 to 5000VA



AROS

THE SCIENCE OF CONTINUITY



Aros

The science of continuity



On the strength of knowledge built up from over 60 years experience in the power supply sector, Aros produces and develops a range of UPSs with applications for all industry sectors, eg:- health, IT, finance and transport.

Aros Staff and innovation

For Aros, human resources are an asset to be cultivated. An ongoing training programme has been underway for some time now and this involves a series of courses held by technical experts at the company headquarters. The courses are aimed mainly at distributors and installers who can, in this way, be trained to provide an improved professional consultancy service to the end customer. Aros is a synonym for technological innovation, backed up by three advanced research centres where work is constantly carried out to produce innovative and state-of-the-art solutions. At the specific request of a customer, the Aros R&D centres can work on products that are already in production to adapt them to the customer's particular requirements. As well as developing hardware technology, the R&D centres are at the cutting-edge of UPS software implementations through the proprietary Watch&Save software; the standard version of which is distributed on all UPSs.

For Aros, quality is a full-time commitment

Aros worked for 13 years under the rigid IBM quality practices to achieve UNI EN ISO 9001 total quality certification in 1999. The certification body DNV first evaluated, approved and certified the internal quality manual, a veritable set of instructions to which all production processes must be submitted in order to ensure the constant high quality of Aros products. The UNI EN ISO 9001 total quality certification also covers the section dedicated to on-site and remote support service.

At the customer's service

UPService, a full customer service, is made up of a team of technicians within Aros. A FreePhone number connects customers directly with a help desk that can respond to any question, carry out remote diagnostics and organize, via service centres located nationwide, on-site repairs, replacement under guarantee and start-up within 24 working hours. A 24 hour a day, 365 days a year support service has recently been set up with a technician constantly available by telephone (a sort of UPS guardian angel) who can respond to a customer's call within 4 hours and a maximum of 8 hours. Aros has also developed a remote control system, Teleguard, for the control and monitoring of UPSs located anywhere in the world and connected via serial line, via network or via modem.



Certificate
ISO 9001

PC Planet Syncro e-Sentinel UPS from 400 to 5000VA



Syncro and PC Planet

Syncro and PC Planet meet the demand arising from an increasing use of personal computers, printers, modems, telephone switchboards and other similar equipments. They are characterised by the "Line Interactive" technology that guarantees proper and stabilised power supply.

Main characteristics are:

- Microprocessor control
- AVR
(Automatic Voltage regulation)
- RS232 port
- Plug & Play
- Internet outlet

e-Sentinel

The e-Sentinel range is based on Line Interactive technology with AVR (Automatic Voltage Regulation) for automatic regulations of the mains voltage deviations. The result is a very high efficiency as well as considerable energy saving. The output waveform is sinusoidal in all conditions. This series has standard Interface RS232 and microprocessor control INTEL. Microprocessor technology gives these products extraordinary interface and communications features.

E-Sentinel performance makes it particularly suitable for personal computers, laboratory instruments and small networks.

Display with LEDs

Located on the front of the unit, allows an easy and intuitive use of the UPS. It allows control of the status of the device, the batteries and the applied load, and indicates both by-pass and overload.



RS232 communication port

Enables direct communication between UPS and PC where, by means of the Watch & Save software, the various functions of the equipment can be controlled and managed.

Net Tel filtered plug RJ45

Type protects the mains from interference.

Automatic battery test

Allows periodic checking of battery efficiency to avoid faults; this fast operation does not affect the lifetime of the batteries or the back-up.

PC Planet

From 400 to 650VA

Technical data

Input

	PC Planet 400	PC Planet 400S	PC Planet 550S	PC Planet 650S
Nominal voltage	230 Vac \pm 25%			
Input frequency	50/60 Hz \pm 5% (autosensing)			
Max current	2 A	2,2 A	3,2 A	3,7 A

Output

	PC Planet 400	PC Planet 400S	PC Planet 550S	PC Planet 650S
Nominal power	400VA (240W)	400VA (240W)	550VA (330W)	650VA (400W)
Nominal voltage (in battery operation)	Simulated sine wave at line input \pm 5%			
Frequency	50 or 60 Hz \pm 0,5% autotest			
Voltage Regulation AVR	AVR automatically increase output voltage 17% above input voltage if -10% to -26% of nominal. AVR decrease output voltage 15% below input voltage if $+9\%$ to $+20\%$ of nominal			
Output socket	Nos. 3 IEC 320-10A			

System

	PC Planet 400	PC Planet 400S	PC Planet 550S	PC Planet 650S
Transfer time	6 ms typical, 10ms max. including detection time			
Battery recharging time	4-6 hours (90% of full capacity)			
Batteries: Number/Volt/Ampere	1/12V/ \geq 4Ah	1/12V/ \geq 4Ah	1/12V/ \geq 7Ah	1/12V/ \geq 9Ah or CSB HR 1234W
AC-AC efficiency	99%			
Communication port	RS232: bi-directional communication port			
Protections	overcurrent - short circuit - excessive battery discharge			
Noise	< 40 dBA at 1 m.			
Operating temperature	0 \div 40°C			
EMC compliance	EN 50091 - 2 level B, directive 89/336/EEC, 93/68/EEC and 92/31/EEC			
Safety compliance	EN 50091 - 1 - 1 and Directive 73/23/EEC, 93/68 EEC			

Other characteristics

Power (VA)	Models	Code	Back-up time (min.)	Dimensions W x D x H (mm)	Weight (kg)	Batteries
400	PC Planet 400	6PLA4001XA	5-15*	152x110x325	5,8	inside UPS
400	PC Planet 400S	6PLA40010A	5-15*	152x110x325	6,2	inside UPS
550	PC Planet 550S	6PLA55010A	5-15*	152x110x325	6,2	inside UPS
650	PC Planet 650S	6PLA65010A	5-15*	152x110x325	6,5	inside UPS

* Depending on computer load



Syncro

From 1000 to 1500VA

Technical data

Input

	Syncro 1000	Syncro 1500
Nominal voltage	220-230-240 Vac	
Accepted voltage range	± 25%	
Input frequency	50/60 Hz autorange	
Accepted frequency	± 2,5 Hz	

Output

	Syncro 1000	Syncro 1500
Nominal power	1000 VA (600W)	1500 VA (900W)
Nominal voltage (in battery operation)	230 Vac ± 5%	
Nominal voltage (in mains operation)	The AVR circuit regulates the voltage from -15% to +13% with input variation of ± 25%	
Wave form	Step wave (square wave)	
No. of IEC 320 sockets	4	

System

	Syncro 1000	Syncro 1500
Transfer time	2ms standard, 4ms max	
Battery recharging time	4-6 h.	
Batteries: Number./Volt/Ampere	2/12V/7Ah	3/12V/7Ah
AC-AC Efficiency	99%	
Communication port	RS 232	
Protections	overcurrent - short circuit - excessive battery discharge	
Noise	< 40 dBA at 1 m.	
Operating temperature	0 ÷ 40°C, optimal for batteries +15° to +25°C	
EMC compliance	EN 50091 - 2 level B	
Safety compliance	EN 50091 - 1 - 1	
Mains protections	RJ45 type Net/Tel filtered socket	
Load priority	Management of load priorities in battery operation	

Other characteristics

Power (VA)	Models	Code	Back-up time (min.)	Dimensions W x D x H (mm)	Weight (kg)	Batteries
1000	Syncro 1000	6SYA1K01SA	6	158x376x231	16	inside UPS
1500	Syncro 1500	6SYA1K51SA	6	158x376x231	21	inside UPS



e-Sentinel

From 500 to 5000VA

Technical data

Input

	e-50	e-75	e-100	e-150	e-200	e-300	e-400	e-500
Nominal voltage	230 Vac							
Accepted voltage range	175-280 Vac							
Input frequency	50/60 Hz autorange \pm 5%							

Output

	e-50	e-75	e-100	e-150	e-200	e-300	e-400	e-500
Nominal power	500 VA (335W)	750 VA (500W)	1000 VA (670W)	1500 VA (1000W)	2000 VA (1340W)	3000 VA (2100W)	4000 VA (2800W)	5000 VA (3500W)
Nominal voltage	230 Vac							
Nominal voltage (in battery operation)	230 Vac \pm 5%				230 Vac \pm 2%			
Wave form	Sinusoidal with 2% distortion							
Frequency in battery operation	50/60 Hz autorange \pm 0,1 Hz							
No. of sockets	4 IEC					4 IEC + 1 Schuko 16 Amp.		Hardwired in/out

System

	e-50	e-75	e-100	e-150	e-200	e-300	e-400	e-500
Transfer time	2 ms							
Battery recharging time	8 h.							
Batteries: Number/Volt/Ampere	2/12V/7Ah		4/12V/7Ah	5/12V/7Ah	9/12V/7Ah	12/12V/7Ah	2/12V/7Ah	2/12V/7Ah
AC-AC efficiency	98%							
Communication port	USB, RS 232, Slot for SNMP Adapter (2000VA)							
Protections	overcurrent - short circuit - excessive battery discharge overvoltage- undervoltage - temperature							
Noise	< 40 dBA at 1 m.							
Operating temperature	0 ÷ 40°C, optimal for batteries +15° to +25°C							
EMC compliance	EN 50091 - 2 level B							
Safety compliance	EN 50091 - 1 - 1							
Mains protections	RJ45 type Net/Tel filtered socket							

Other characteristics

Power (VA)	Models	Code	Back-up time (min.)	Dimensions W x D x H (mm)	Weight (kg)	Batteries
500	e-Sentinel 50	6ESA50010A	8	158x376x231	13	inside UPS
750	e-Sentinel 75	6ESA75010A	5	158x376x231	14	inside UPS
1000	e-Sentinel 100	6ESA1K010A	5	158x376x231	14	inside UPS
1500	e-Sentinel 150	6ESA1K510A	6	158x376x231	20	inside UPS
2000*	e-Sentinel 200*	6ESA2K01CA	6	158x485x340	25	inside UPS
3000*	e-Sentinel 300*	6ESA3K010A	8	240x590x520	54	inside UPS
4000*	e-Sentinel 400*	6ESA4K010A	8	240x590x520	62	inside UPS
5000*	e-Sentinel 500*	6ESA5K010A	8	240x590x520	70	inside UPS

*Battery expansions are available for longer autonomy (see accessories).



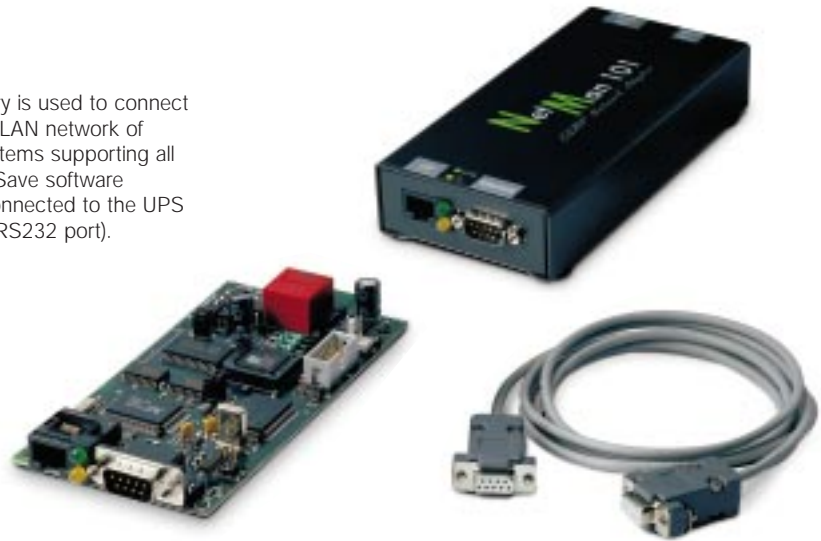
Accessories

Battery expandability

The standard UPS back-up time can be expanded by means of additional battery modules. When very high back-up time is required, battery expansion comes equipped with a battery charger to reduce recharging time.

NetMan

This accessory is used to connect the UPS to a LAN network of computer systems supporting all the Watch & Save software functions. (Connected to the UPS by means of RS232 port).



Battery cabinets for longer autonomy (available only for e-Sentinel series from 2000 to 5000VA)

Power (VA)	Models	Code	Back-up time (min.)	Dimensions W x D x H (mm)	Weight (kg)	Batteries
2000	Expansion A7	6ABA007P05A	20	158x565x340	16	5x7Ah
2000	Expansion A12	6ABA012P05A	30	158x565x340	24	5x12Ah
2000	Expansion A24*	6ABA024C05A	55	158x565x340	45	5+5x12Ah
3000	Expansion A7	6ABA007PT09A	25	260x240x590	32	9x7Ah
4000	Expansion A7	6ABA007PT12A	25	260x240x590	41	12x7Ah
5000	Expansion A7	6ABA007PT15A	25	260x240x590	50	15x7Ah

*With battery charger to reduce recharging time



Watch & Save Software

Watch & Save Aros proprietary software, compatible with the most common computer systems, allowing the management and control of the UPS from a PC, and in the event of a mains failure, it permits the saving of data and the sequential shutdown of the connected computer systems.

Code	Models
6SOFT024A	Software AROS Watch & Save Standard version (for Windows, Linux, and Novell Netware)
6SOFT025A	Software AROS Watch & Save Professional version (for all operating systems)

