

## SYNCRO 800-2000VA

### Uninterruptible Power Supply

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#### Minimum consumption

Syncro is a range of UPS systems with LINE INTERACTIVE technology, providing a reduction in energy consumption and 99% efficiency.

#### Voltage stability

Syncro's automatic voltage regulator (AVR) is able, for mains voltage variations not exceeding +20% / -25%, to stabilize the output voltage at values between -15% / +17% with respect to the nominal voltage.

For voltage variations greater than +20% / -25%, the unit powers the load from the battery via the inverter, providing an output voltage stabilized at  $\pm 5\%$ .

#### Timer for programmed shutdown (via software)

This feature allows fully automatic programmed and timed start-ups and shutdowns.

#### Automatic restart

The UPS is programmed to restart automatically when the mains power supply returns after switching off due to the end of back-up time following an extended mains power failure.

#### Total microprocessor control

Digital control considerably improves the reliability of the UPS, reduces unit dimensions and weight, and significantly increases control and communications capabilities.

#### Battery optimization

The UPS periodically and automatically performs a battery efficiency test. The batteries are recharged by means of a rapid charge battery charger. The UPS is thus always guaranteed maximum back-up time. The Syncro range also comes with a device to protect against deep discharges, which can significantly reduce the expected life of the batteries.

#### Reduced noise

Through the use of high frequency components and fan speed control, the noise level of the UPS is kept under 40 dBA.



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### Advanced communication

The Aros Watch & Save software ensures effective and intuitive management of the UPS.

Important information such as the input and output voltage, the load applied, the remaining back-up time, etc., is displayed in the form of bar graphs.

The software is able to provide information even in the event of a failure, and can also programme the UPS for automatic weekly start-up and shutdown.

### Protection of the telephone line

Syncro comes with a RJ45/RJ11 telephone socket to guarantee the protection of its telephone line/modem against any overvoltages.

### Applications

**Personal computers, small/medium computer networks.**

### **Note:**

*2 years warranty*

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INPUT	SYNCRO 800	SYNCRO 1000	SYNCRO 1500	SYNCRO 2000
Accepted frequency	±5%			
Input frequency	50/60 Hz			
Voltage	230 V			
Voltage tolerance	+20%/-25%			
OUTPUT	SYNCRO 800	SYNCRO 1000	SYNCRO 1500	SYNCRO 2000
Waveform	Step-wave			
Frequency on battery operation	50 or 60 Hz (+/- 0.5%)			
Phases number	1			
Output sockets	No. 4 IEC 320 (10A)			
Rated power	800 VA	1000 VA	1500 VA	2000 VA
Active power	480 W	600 W	900 W	1200 W
Rated voltage (on battery operation)	230 V ±5%			
Rated voltage ( on mains operation )	The AVR circuit regulates the output voltage from +17% to -15% with input variation of ±25%			
BATTERIES	SYNCRO 800	SYNCRO 1000	SYNCRO 1500	SYNCRO 2000
Type	Maintenance-free sealed lead-acid			
Recharge time	6-8 h			
Batteries number	2			3
Battery blocks	12V/7Ah		12V/9Ah	
SYSTEM	SYNCRO 800	SYNCRO 1000	SYNCRO 1500	SYNCRO 2000
Colour	Dark grey			
Communication	RS232 port			
Approvals	CE, GS/TUV			
Protections	Overcurrent - short-circuit - excessive battery discharge			
Net/telephone line protection	RJ45/RJ11 filtered socket			
AC/AC efficiency	99%			
Noise	< 40 dBA at 1 mt			
Operating temperature	0°C / +40°C, optimal for batteries +15°C/+25°C			
Relative humidity	< 95% non condensing			
Transfer time	2 ms typical, 4 ms max.			
Standards	Safety: EN 62040-1-1, Directives 73/23EC and 93/68/EC EMC: IEC 62040-2; EN 50091-2 lev. B, Directives 2004/108/EC and 89/336/EC; EN 62040-3			
OPTIONS	SYNCRO 800	SYNCRO 1000	SYNCRO 1500	SYNCRO 2000
Communication software "professional" version	Yes			
DATA	SYNCRO 800	SYNCRO 1000	SYNCRO 1500	SYNCRO 2000
Weight (kg)	14		15	20
Dimensions (WxDxH) mm	140x375x180			140x410x214
Back up time at full load (min)	5	6		

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Input phases	1
Output phases	1
Technology	Line Interactive
Installation	Tower
Configuration	Single Unit

#### OPZIONI SYNCRO 800

- MultiCom 351
- MultiCom 301
- NetMan 101 Plus
- USB converter
- Multi I/O
- IRMS Multi-Switch
- AS/400 interface kit
- External by-pass cabinet rack 16A
- Profibus DP Gateway

#### OPZIONI SYNCRO 1000

- MultiCom 351
- MultiCom 301
- NetMan 101 Plus
- USB converter
- Multi I/O
- IRMS Multi-Switch
- AS/400 interface kit
- External by-pass cabinet rack 16A
- Profibus DP Gateway

#### OPZIONI SYNCRO 1500

- MultiCom 351
- MultiCom 301
- NetMan 101 Plus
- USB converter
- Multi I/O
- IRMS Multi-Switch
- AS/400 interface kit
- External by-pass cabinet rack 16A
- Profibus DP Gateway

#### OPZIONI SYNCRO 2000

- MultiCom 351
- MultiCom 301
- NetMan 101 Plus
- USB converter
- Multi I/O

### **Uninterruptible Power Supply**

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IRMS Multi-Switch

AS/400 interface kit

External by-pass cabinet rack 16A

Profibus DP Gateway