

Syncro



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.

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





Input	Syncro 800	Syncro 1000	Syncro 1500	Syncro 2000	
Nominal voltage	230 V				
Accepted voltage range	+20% -25%				
Input frequency	50/60 Hz (autosense)				
Accepted frequency	±5%				
Output	Syncro 800	Syncro 1000	Syncro 1500	Syncro 2000	
Power (VA/W)	800/480	1000/600	1500/900	2000/1200	
Nominal voltage (in battery operation)	230 V ±5%				
Nominal voltage (in mains operation)	the AVR circuit regulates the output voltage from +17% to -15% with input variation of ±25%				
Wave form	step-wave				
Output sockets	No. 4 IEC 320 (10A)				
System	Syncro 800	Syncro 1000	Syncro 1500	Syncro 2000	
Transfer time	2 ms typical, 4 ms max.				
Batteries (No./V/Ah)	2/12/7	2/12/7	2/12/9	3/12/9	
Battery type	maintenance free sealed lead acid				
Battery recharging time	6-8 h				
AC-AC efficiency	99%				
Communication port	RS232				
Protections	overcurrent – short circuit – excessive battery discharge				
Noise at 1 m	<40 dBA				
Operating temperature	0÷40°C, optimal for batteries +15÷+25°C				
Relative humidity	0÷90 % non condensing				
Standards	safety EN 62040-1, EMC IEC 62040-2 and EN 50091-2 lev. B, Directives 73/23, 93/68, 89/336 EEC, EN 62040-3				
Telephone line protection	RJ45/RJ11 type filtered socket				
Power (VA)	Model	Back-up (min)	Batteries	Dimensions WxDxH (mm)	Weight (kg)
800	Syncro 800	5	Internal	140x375x180	14
1000	Syncro 1000	6	Internal	140x375x180	14
1500	Syncro 1500	6	Internal	140x375x180	15
2000	Syncro 2000	6	Internal	140x410x214	20