

SENTINEL XR 3,3 - 6kVA

Uninterruptible Power Supply

Absolute protection

Sentinel XR is a range of UPSs with ON-LINE double conversion technology and with zero transfer time. The load is always powered by the inverter, which supplies a true sinusoidal voltage and current free from electrical interference.

Maximum versatility

Sentinel XR can either be placed on the floor or inserted in a 19" Rack. The UPS can be converted from the Tower version to the Rack version simply by rotating the control panel to 90° and applying the handles.

Easy battery replacement

The batteries can be replaced while the UPS is working off the Inverter (hot swap replacement) without any disturbances to the load.

Stand-by

When the UPS is not used, it can be set to stand-by mode. The inverter will be switched off and the battery is kept charged. This operating mode is suitable for Emergency Escape Lighting (CPSS- Central

Power Supply System) as per standard EN 50171.

Communication slot

Sentinel XR is provided with an expansion slot for optional communication cards that enable the UPS to dialog using the main communication standards such as: second RS232 port, serial port duplexer, Ethernet network agent with TCP/IP, HTTP and SNMP protocol, RS232 + RS485 port with JBUS / MODBUS protocol, signalling relay card.

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, 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.



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Four operating modes

- **On Line (VFI)**

The load is powered by the Inverter and the output power supply is independent from the input supply voltage and frequency fluctuations.

- **Eco Mode
**

To optimise the efficiency the load is powered from the mains as preferred source. If the mains voltage exceeds the tolerance values, the UPS switches to the normal ON LINE double conversion operating mode.

- **Smart Active
**

When the power supply quality is very unstable of course the user is unable to define which is the best operating mode between On line or ECOMode. Smart Active function solves this problem as it selects the best operation mode depending on the input power quality.

- **Stand-by-off
**

When mains power is available the UPS will not power the load; when mains is not available the UPS will power the load using the battery power supply. This feature makes the UPS ideal for emergency lighting power supply.

Advanced diagnostics

A backlit display provides the most important measurements relating to the UPS.

Extending the back-up time

Battery expansion is envisaged to increase the back-up time of the UPS. Battery chargers can be used to reduce recharging times.

Programmable output socket

Using UPSTools configuration software it is possible to set the cut-off sequence of the output sockets. It is a very important feature in emergency conditions to be able to classify the loads by different priorities.

Manual By-Pass

The By-pass provides the possibility of excluding a UPS for maintenance without any interruptions or disturbances of the load supply.

Applications

Servers, Local Area Networks (LAN), data centers, telecommunications, Industrial equipment, electro-medical equipment, Emergency Lighting.

Note:

2 years warranty

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INPUT	SXR 3300		SXR 4000	SXR 5000	SXR 6000
Power factor	> 0.98				
Input frequency	40/72 Hz				
Voltage	220 - 230 - 240 V				
Voltage tolerance	0-276 V				
Voltage range without battery contribution	164 V @ 100% load (84 V @ 50% load)				
OUTPUT	SXR 3300		SXR 4000	SXR 5000	SXR 6000
Voltage distortion with distorting load	< 6%				
Voltage distortion with linear load	< 3%				
Crest factor (Ipeak/Irms)	3 : 1 (up to 100% load)				
Waveform	Sinewave				
Frequency	50 / 60 Hz selectable				
Phases number	1				
Output sockets	No. 1 IEC (16A) + no. 2 IEC (10A)		IN/OUT terminal board + no. 2 IEC (A)		
Rated power	3300 VA	4000 VA	5000 VA	6000 VA	
Active power	2300 W	2400 W	3500 W	4200 W	
Rated voltage	220-230-240 V (selectable)				
OVERLOAD	SXR 3300		SXR 4000	SXR 5000	SXR 6000
Load = 150%	4"				
BY PASS	SXR 3300		SXR 4000	SXR 5000	SXR 6000
Frequency tolerance	Selected frequency ±5% (user configurable)				
Voltage tolerance	180 - 264 V (selectable in Economy Mode and Smart Active Mode)				
BATTERIES	SXR 3300		SXR 4000	SXR 5000	SXR 6000
Batteries number	9		16		
Battery blocks	12V/7Ah				
SYSTEM	SXR 3300		SXR 4000	SXR 5000	SXR 6000
Colour	Dark grey				
Accessories provided	2 output supply cables 10A; 1 plug IEC-16A; software; serial cable; tools for mimic panel				
Communication slot	RS232 + communication slot (TCP/IP, HTTP, SNMP, JBUS, MODBUS, PROFIBUS)				
Protections	Overcurrent - short-circuit - excessive battery discharge - overvoltage - undervoltage - overtemperature				
AC/AC efficiency	90%				
Line-Interactive/Smart Active efficiency	98%				
Noise	< 40 dBA at 1 m				
Operating temperature	0°C / +40°C, optimal for batteries +15°C/+25°C				
Transfer time	0 ms (2 ms Eco mode)				
Standards	Safety: EN 62040-1-1, Directives 73/23EC and 93/68/EC; EMC: IEC 62040-2; EN 50091-2, Directives 2004/108/EC and 89/336/EC; EN 62040-3				

OPTIONS	SXR 3300	SXR 4000	SXR 5000	SXR 6000
Battery cabinets for longer runtimes	Yes			
Auxiliary serial connection	Yes			
Communication software	Yes			
Communication software "professional" version	Yes			
DATA	SXR 3300	SXR 4000	SXR 5000	SXR 6000
Weight (kg)	38		64	
Dimensions (WxDxH) mm	175x520x455		175x660x455	
Back up time at full load (min)	6		10	8
Input phases	1			
Output phases	1			
Technology	On-line double conversion			
Installation	Tower & Rack			
Configuration	Single Unit			

OPZIONI SXR 3300

MultiCom 351
 MultiCom 352
 MultiCom 301
 MultiCom 302
 NetMan 101 Plus
 NetMan 102 Plus
 MultiCom 362
 MultiCom 372
 MultiCom 382
 Multi I/O
 IRMS Multi-Switch
 AS/400 interface kit
 External by-pass cabinet rack 16A
 Profibus DP Gateway

OPZIONI SXR 4000

MultiCom 351
 MultiCom 352
 MultiCom 301
 MultiCom 302
 NetMan 101 Plus
 NetMan 102 Plus
 MultiCom 362
 MultiCom 372
 MultiCom 382
 Multi I/O

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