



SENTINEL XR is the best solution for protecting medium sized networking applications which require the highest possible levels of reliability. The UPS is designed to support a wide applications from IT to security. SENTINEL XR is unique in that the UPS can be placed directly onto the floor or mounted in 19" rack mount cabinets. The range is available in 3300-4000-5000-6000- 8000-10000VA models. The UPS is primarily an on-line double-conversion (VFI) technology system with further selectable operating modes that can configure the UPS to protect applications including emergency lighting, security and medical systems.

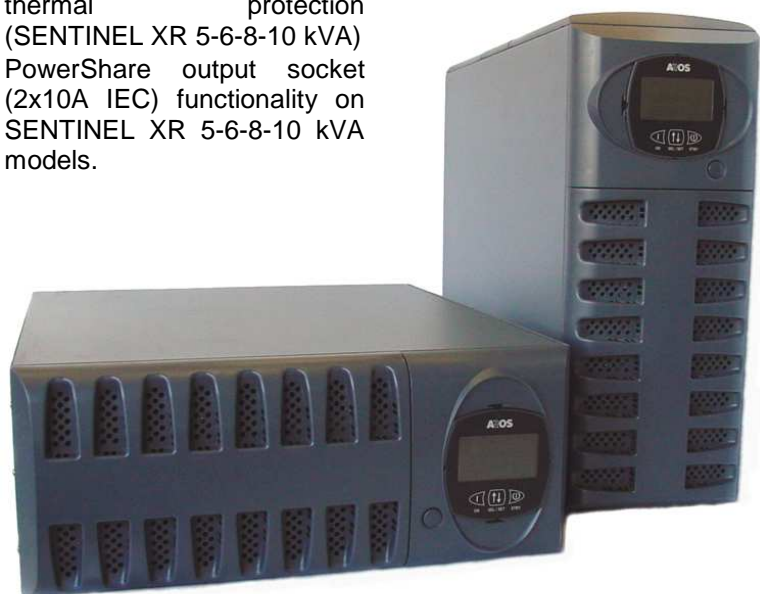
Each UPS features advanced communications and diagnostics including a digital front panel display that can be turned to suit the installation format, RS232 and USB interfaces, and an internal adaptor slot for SNMP and other interface card options. Watch&Save 3000 software is supplied as standard.

Simplified Installation

- The UPS can be installed as a floor standing tower or 19" rack mount UPS. The front panel digital display can be pulled out (using the keys provided) and rotated to suite the installation format
- Low noise level (<40dBA) thanks to the digitally PWM controlled ventilation system which is load and temperature dependent, and the use of an inverter with a high switching frequency (>20kHz, above the audible range)
- Optional bolt-on maintenance bypass (SENTINEL XR 5-6-8-10 kVA models) to allow service without disruption to the loads
- Performance guaranteed in temperatures up to 40°C
- Two IEC output plugs with thermal protection (SENTINEL XR 5-6-8-10 kVA)
- PowerShare output socket (2x10A IEC) functionality on SENTINEL XR 5-6-8-10 kVA models.

Selectable Operating Modes

- On line Mode (VR)
- Economy Mode: selects Line Interactive VI technology to power noncritical loads from mains and achieve up to 98% operating efficiency
- Smart Active Mode: the UPS selects automatically whether to operate in On-line VFI technology - full system protection or Line Interactive VI mode depending on the stability of the mains supply
- Emergency Mode: the UPS can be programmed to work only when the mains fails - suitable for emergency lighting
- Frequency conversion 50 or 60Hz



Guaranteed Output Quality

- Even with typical distorting IT loads with crest factors of 3:1
- Increased short circuit current on the bypass
- Increased overload capacity: 150% on inverter even when mains supply has failed
- Reliable, filtered, stabilised and regulated sinewave output (double conversion technology VFI in conformity with IEC 62040-3 specifications) with filters for atmospheric disturbance suppression
- Rephasing of load as the UPS has an input power factor close to 1, with a sinusoidal input current

Highly Reliable Battery Performance

- Automatic and manual battery tests
- Unique Low Ripple Current Discharge (LRCD) to help prolong battery life
- Hot-swap user replaceable batteries
- Unlimited extendable back-up time using modular design Battery Extension Packs
- Increased ride through (without batteries) on mains breaks up to 40ms and for fluctuations ranging from 84 to 276Vac

Options

- Extended runtime solutions with/without battery charger
- External maintenance bypass (except 3300VA and 4000VA)
- Interface cards
- Telescopic rails for rack cabinet

Other Characteristics

- Output voltage selection: 220-230- 240Vac
- Auto restart when mains power returns programmed using the UPSTools software supplied
- Bypass on: when the UPS is switched off, it automatically goes into bypass mode to charge the batteries
- Automatic power down due to minimum load
- End of battery discharge pre-alarm
- Delayed start up
- Completely digitally controlled
- Automatic bypass with no break in power supply
- Use of IMS (Insulated Metallic Substrates) modules
- Status, measurements, and alarms available on the standard backlit display
- UPS can be updated digitally (flash upgradeable)
- Input protected by resettable thermally activated switch
- Back-feed protection: to avoid current being fed back into the mains should a fault occur
- Manual switch over to bypass
- Microsoft Certified Product

Advanced Communication

- Advanced, multi-platform communication for all operating systems and network environments: Watch&Save 3000 monitoring and shut-down software included, with SNMP agent, for Windows 9x, ME, NT 4.0, 2000, XP, Vista and 2003 server; Mac OS X, Linux, Novell and most popular Unix operating systems.

- The UPS is supplied with a communications cable for 'Plug and Play' PC connection
- USB port
- RS232 serial port
- Interface card slo

Applications

- Local Area Networks (LAN)
- Data Centers
- Servers
- Industrial PLCs
- Cash registers
- Electro medical devices
- Emergency devices (lights/alarms)

2 - year warranty



Technical Data

Single-phase input
Single-phase output

Models	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
Power (VA/W)	3300/2300	4000/2400	5000/3500	6000/4200	8000/6400	10000/8000
Input						
Input	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
Rated voltage	220 – 230 – 240 Vac					
Minimum voltage	164 Vac at load 100%, 84 Vac @ load 50%					
Rated frequency	50 / 60 Hz ±5 Hz					
Power factor	> 0,98					
Current distortion	≤ 7%					
By-pass						
By-pass	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
Voltage range	180 – 264 Vac (selectable in Economy Mode and Smart Active Mode)					
Frequency range	Selected frequency ± 5% (user configurable)					
Batteries						
Batteries	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
Type	VRLA, AGM					
Recharge time	4 – 6 h					
Output						
Output	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
Rated voltage	220 – 230 – 240 Vac (selectable)					
Static variation	1,5%					
Dynamic variation	≤ 5% počas 20 ms					
Waveform	Sínemove					
Voltage distortion with linear load	< 3%					
Voltage distortion with non-linear load	< 6%					
Frequency	50 / 60 Hz (selectable)					
Crest factor	3 : 1					
Overload capacity						
Overload capacity	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
100% < zataž < 110%	1'					
110% < zataž < 125%	4"					
125% ≤ zataž < 150%	4"					
load > 150%	0,5"					
System						
System	SXR-3300	SXR-4000	SXR-5000	SXR-6000	SXR-8000	SXR-10000
Weight (kg)	38	40	62	64	80	85
Dimensions (wdh) (mm) tower	175 x 520 x 455		175 x 660 x 455		2 x 175 x 660 x 455	
Dimensions (wdh) (mm) rack	483 x 520 x 175 (4U)		483 x 660 x 175 (4U)		2 x 483 x 660 x 175 (4U)	
On Line Efficiency	92%					
Line-interactive / Smart Active Efficiency	98%					
Operating temperature	0°C / +40 °C, optimal +15°C / +25°C					
Relative humidity	< 95% non condensing					
Protection	Overload – short-circuit – overvoltage – undervoltage – temperature – low battery					
Compliance	EN62040-1, EMC EN 62040-2 Directives 73/23, 93/68, 89/336 EEC, EN 62040-3					
Communication	USB / RS232 + communication interface slot					
Color	Dark grey (RAL 7035)					
Noise	< 40 dBA at 1m			< 40 dBA at 1m		

Technical Data

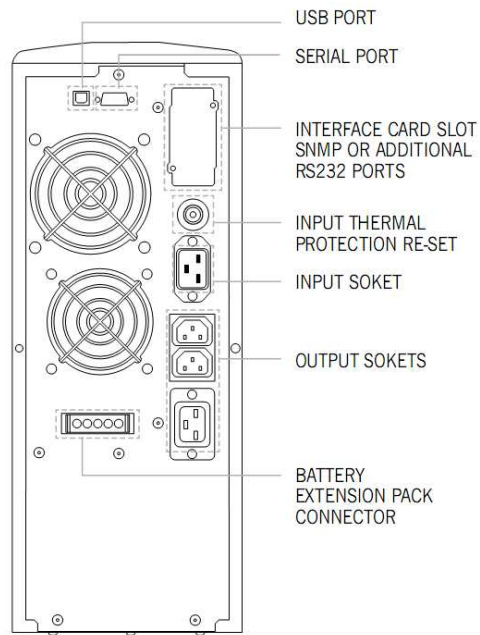
Three-phase input
Single-phase output

Models	SXR-6500	SXR-8000	SXR-10000
Power (VA/W)	6500 / 5200	8000 / 6400	10000 / 8000
Input			
	SXR-6500	SXR-8000	SXR-10000
Rated voltage	400 Vac 3-fázy + N		
Minimum voltage	164 Vac at load 100%, 84 Vac at load 50%		
Rated frequency	50 / 60 Hz \pm 5 Hz		
Power factor	> 0,95		
By-pass			
	SXR-6500	SXR-8000	SXR-10000
Voltage range	180 – 264 Vac (selectable in Economy Mode and Smart Active Mode)		
Frequency range	Selected frequency \pm 5% (user configurable)		
Batteries			
	SXR-6500	SXR-8000	SXR-10000
Type	VRLA, AGM		
Recharge time	4 – 6 h		
Output			
	SXR-6500	SXR-8000	SXR-10000
Rated voltage	220 – 230 – 240 Vac (selectable)		
Static variation	1,5%		
Dynamic variation	\leq 5% in 20 ms		
Waveform	Sinewave		
Voltage distortion with linear load	< 3%		
Voltage distortion with non-linear load	< 6%		
Frequency	50 / 60 Hz (selectable)		
Crest factor	3 : 1		
Overload capacity			
	SXR-6500	SXR-8000	SXR-10000
100% < zaťaž < 110%	1'		
110% \leq zaťaž < 150%	4"		
load > 150%	0,5"		
System			
	SXR-6500	SXR-8000	SXR-10000
Weight (kg)	64	80	85
Dimensions (wdh) (mm) tower	2 x 175 x 660 x 455		
Dimensions (wdh) (mm) rack	2 x 483 x 660 x 175 (4U)		
On Line Efficiency	92%		
Line-interactive / Smart Active Efficiency	98%		
Operating temperature	0°C / +40 °C, optimal +15°C / +25°C		
Relative humidity	< 95% non condensing		
Protection	Overload – short-circuit – overvoltage – undervoltage – temperature – low battery		
Compliance	EN62040-1, EMC EN 62040-2 and Directives 73/23, 93/68-2004/108EC, EN 62040-3		
Communication	USB / RS232 + communication interface slot		
Color	Dark grey (RAL 7035)		
Noise	< 45 dBA at 1m		

Technical Data

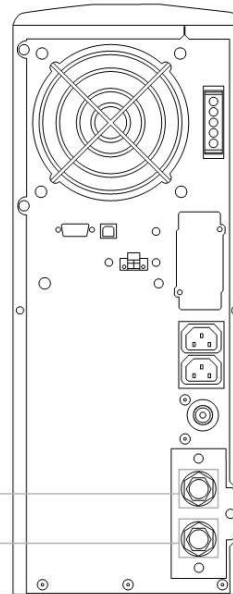
Detaily

SXRM 3300 – 4000



- USB PORT
- SERIAL PORT
- INTERFACE CARD SLOT
SNMP OR ADDITIONAL
RS232 PORTS
- INPUT THERMAL
PROTECTION RE-SET
- INPUT SOKET
- OUTPUT SOKETS
- BATTERY
EXTENSION PACK
CONNECTOR

SXRM 5000 – 6000



- INPUT
CABLE ACCESS
- OUTPUT
CABLE ACCESS

SXRM 8000 – 10000
SXRT 6500 – 8000
SXRT 10000

