

Sentinel XR



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 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
- Economy Mode: selects Line Interactive VI technology to power non-critical 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: the UPS can be programmed to work only when the mains fails - suitable for emergency lighting
- Frequency conversion 50 or 60Hz



Display LCD custom

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 UPS Tools 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 slot

APPLICATIONS

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

2-YEAR WARRANTY

**SUITABLE FOR
EMERGENCY LIGHTING
APPLICATIONS**



Sentinel XR

Single-phase input
Single-phase output

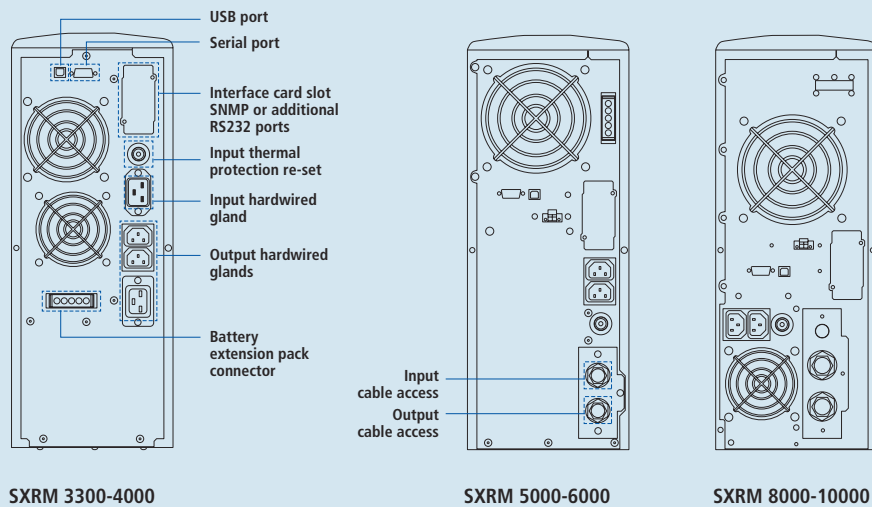
Technical data

Models	SXRM-3300	SXRM-4000	SXRM-5000	SXRM-6000	SXRM-8000	SXRM-10000
Power	3300VA/2300W	4000VA/2400W	5000VA/3500W	6000VA/4200W	8000VA/6400W	10000VA/8000W
Input						
Rated voltage	220 - 230 - 240 Vac					
Minimum voltage	164 Vac @ load 100% 84 Vac @ load 50%					
Rated frequency	50/60 Hz \pm 5 Hz					
Power factor	> 0.98					
Current distortion	\leq 7%					
By pass						
Voltage range	180 - 264 Vac (selectable in Economy Mode and SMART ACTIVE Mode)					
Frequency range	Selected frequency \pm 5 % (user configurable)					
Batteries						
Recharge time	4 - 6 h					
Output						
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						
100% < Load < 110%	1'					
110% < Load < 125%	4"					
125% \leq Load < 150%	4"					
Load > 150%	0.5"					

Sentinel XR

System	SXRM-3300	SXRM-4000	SXRM-5000	SXRM-6000	SXRM-8000	SXRM-10000
Weight (kg)	38	40	62	64	80	85
Dimensions (wdh) (mm) tower	175x520x455		175x660x455		2x175x660x455	
Dimensions (wdh) (mm) rack	483x520x175(4U)		483x660x175(4U)		2x483x660x175(4U)	
On Line Efficiency	92%			98%		
Line-interactive/Smart Active Efficiency	92%			98%		
Operating temperature	0 °C / +40 °C					
Relative humidity	< 95% non condensing					
Protection	Overload - short-circuit - overvoltage - undervoltage - temperature - low battery					
Compliance	EN 62040-1 EMC EN 62040-2 Directives 73/23-93/68-89/336 EEC EN 62040-3					
Communication	USB / RS232 + communication interface slot					
Colour	Dark grey (RAL 7016)					
Noise	<40 dBA at 1 m			<45 dBA at 1 m		
Accessories provided	2x10A cables; 1xIEC-16A plug; software; serial cable; plastic keys to release display; handles kit			2 cable guides; terminal board connection; software; serial cable; plastic keys to release display; handles kit		

Details



Sentinel XR

Three-phase input
Single-phase output

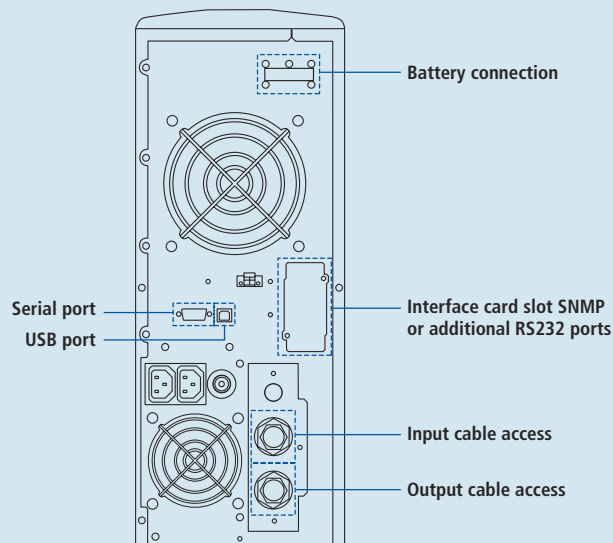
Technical data

Models	SXRT-6500	SXRT-8000	SXRT-10000
Power	6000VA/5200W	8000VA/6400W	10000VA/8000W
Input			
Rated voltage	400 Vac three-phase + N		
Minimum voltage	164 Vac @ load 100% - 84 Vac @ load 50%		
Rated frequency	50/60 Hz ± 5 Hz		
Power factor	> 0.95		
By pass			
Voltage range	180 - 264 Vac (selectable in Economy Mode and SMART ACTIVE Mode)		
Frequency range	Selected frequency ±5 % (user configurable)		
Batteries			
Recharge time	4 - 6 h		
Output			
Rated voltage	220 - 230 - 240 Vac selectable		
Static variation	1,5 %		
Dynamic variation	≤ 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			
100% < Load < 110%	1'		
110% ≤ Load < 150%	4"		
Load > 150%	0,5"		

Sentinel XR

System	SXRT-6500	SXRT-8000	SXRT-10000
Weight (kg)	64	80	85
Dimensions (wdh) (mm) tower	2x175x660x455		
Dimensions (wdh) (mm) rack	2x483x660x175(4U)		
On Line Efficiency	92%		
Line-interactive/Smart Active Efficiency	98%		
Operating temperature	0 °C / +40 °C		
Relative humidity	< 95% non condensing		
Protection	Overload - short-circuit - overvoltage - undervoltage - temperature - low battery		
Compliance	EN 62040-1 EMC EN 62040-2 Directives 73/23-93/68-2004/108EC EN 62040-3		
Communication	USB / RS232 + communication interface slot		
Colour	Dark grey (RAL 7016)		
Noise	<45 dBA at 1 m		
Accessories provided	2 cable guides; terminal board connection; software; serial cable; plastic keys to release display; handles kit		

Details



SXRT 6500-8000-10000