

Sentinel Power Green



SOHO



DATACENTRE



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY



ONLINE



Tower



1:1 6 kVA

1:1 **3:1** 10-20 kVA



USB plug



Energy share



Service 1st start

HIGHLIGHTS

- **Small footprint**
- **Power factor 0,9**
- **High efficiency 97%**
- **Parallelable 1+1**
- **Simplified installation**
- **High quality output voltage**

Sentinel Power Green is the ideal solution for protecting IT systems, telecommunications equipment and mission critical systems such as safety devices, ensuring maximum power reliability. Sentinel Power Green is designed and built using state-of-the-art technology and components to provide maximum protection to the powered loads with no impact on downstream systems and optimised energy savings. The series includes 6 kVA single/single-phase and 8-20 kVA single/single-phase and three/single-phase models with on-line double conversion technology (VFI):

the load is powered continuously by the inverter which supplies a sinusoidal voltage, filtered and stabilised in terms of form and frequency. Input and output filters provide significant further immunity from mains disturbances and lightning strikes. In terms of technology and performance, Sentinel Power Green is one of the best UPS available on the market today: selectable Economy Mode and Smart Active Mode functions; custom diagnostics LCD display, RS232 and USB interfaces with Powershield³ software, ESD input, interface slot with optional boards.

TECHNICAL SPECIFICATIONS:

MODELS	SPM 6	SPH 10 ER	SPH 15	SPH 20 ER
POWER	6000 VA / 5400 W	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W
INPUT				
Nominal voltage	220-230-240 Vac 1 ph	220-230-240 Vac 1 ph / 380-400-415 Vac 3 ph + N		
Minimum voltage without battery intervention	176 Vac @ 100% load / 110 Vac @ 50% load			
Maximum operating voltage	276 Vac			
Nominal frequency	50/60 Hz ±10 Hz			
BYPASS				
Voltage tolerance	160 - 276 Vac (selectable in Economy Mode or Smart Active Mode)			
Frequency tolerance	Selected frequency ±10%			
OUTPUT				
Nominal voltage	220-230-240 Vac selectable			
Voltage distortion	< 2% with linear load / < 5% with non-linear load			
Frequency	50/60 Hz selectable or with automatic selection			
Static variation	± 1%			
Dynamic variation	≤ 5% in 20 ms			
Waveform	Sinusoidal			
Crest factor	≥ 3 : 1			
BATTERIES				
Type	VRLA AGM maintenance-free lead based			
Recharge time	6-8 hours			
Recharge current (only for ER versions)	5 A			
OVERLOAD TIMES				
100% < Load < 110%	5 min			
110% < Load < 130%	1 min			
130% < Load < 150%	10 sec			
Load > 150%	0.1 sec			
OTHER FEATURES				
Net weight (kg)	29	33	54	55
Gross weight (kg)	43	47	72	73
Dimensions (WxDxH) (mm)	262 x 654 x 709		350 x 731 x 818	
Packaged dimensions (WxDxH) (mm)	428 x 720 x 970		475 x 870 x 1075	
Smart Active efficiency	up to 98%			
Protections overcurrent	Overcurrent - short-circuit - overvoltage - undervoltage - temperature - excessive low battery			
Communications	USB / RS232 + slot for communications interface			
Parallel	max. 2 units in parallel with optional kit			
Input plugs	Terminal block			
Output sockets	Terminal block + 2 IEC 320 C13			
Standards	EN 62040-1 EMC EN 62040-2 Directives 2006/95/EC - 2004/108 EC EN 62040-3			
Operating temperature	0 °C / +40 °C			
Relative humidity	< 95% non-condensing			
Colour	Dark grey RAL 7016			
Noise level at 1 m	< 40 dBA			
Moving the UPS	castors			

The information in this document is subject to change without notice. Riello UPS assumes no responsibility for any errors that may appear in this document. DATSPHB1Y15EREN

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