

TECHNICAL Data



Product: Sentinel Dual (LowPower)

Mounting: Tower / Rack

Topology: Online

Rating: 1000 – 3000 VA

Phase: 1:1

MODELS:	SDH 1000	SDH 1500	SDH 2200	SDH 2200 ER	SDH 3000	SDH 3000 ER
POWER	1000VA/900W	1500VA/1350W	2200VA/1980W	2200VA/1760W	3000VA/2700W	3000VA/2400W
INPUT						
Nominal voltage	220-230-240 Vac					
Voltage range without battery intervention	140 Vac < Vin < 276 Vac @ 50% LOAD / 184 Vac < Vin < 276 Vac @ 100% LOAD					
Maximum permitted voltage	300 V					
Nominal frequency	50/60 Hz ±5Hz					
Frequency range	50 Hz ± 5% / 60Hz ± 5%					
Power factor	> 0.98					
Current distortion	≤7%					
BYPASS						
Voltage tolerance	200 – 253 Vac					
Frequency tolerance	Frequency selected (from ±0.5Hz to ±5Hz configurable)					
Overload times	125% for 4 seconds, 150% for 0.5 seconds					
OUTPUT						
Voltage distortion with linear load / with non-linear load	< 2%					
Frequency	Selectable: 50 Hz or 60 Hz or self-learning					
Static variation	± 1%					
Dynamic variation	≤ 5% in 20 ms					
Waveform	Sinusoidal					
Current crest factor	3 : 1					
Efficiency ECO and Smart Active Modes	98%					
BATTERIES						
Type	VRLA					
OTHER FEATURES						
Net weight (kg)	17.5	18	30.5	15	31	15
Dimensions (WxDxH) (mm)	(T – 87 x 425 x 450) (R – 19" x 425 x 2U)		(T – 87 x 625 x 450) (R – 19" x 625 x 2U)			
Protection against overvoltages	300 joules					
Protections	Overcurrent – short-circuit – overvoltage – undervoltage – temperature – excessive low battery					
Communications	USB / DB9 with RS232 and contacts / slot for communications interface					
Input plugs	1 IEC 320 C14			1 IEC 320 C20		
Output sockets	8 IEC 320 C13			8 IEC 320 C13 + 1 IEC 320 C19		
Standards	Safety: EN 62040-1 and Directive 2006/95/EL; EMC: EN 620040-2 category C2 and Directives 2004/108/EL					
Operating temperature	0 °C / +40 °C (Excludes Batteries)					
Relative humidity	< 95% non-condensing					
Colour	Black					
Noise level at 1 m (ECO Mode)	< 40 dBA					
Standard equipment provided	Power cable, serial cable, USB cable, safety manual, quick start guide					

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Specification subject to change without notice.