

UPS

Uninterruptible Power Supplies

SENTINEL 5 PLUS

On-line Double Conversion UPS, full microprocessor control, IGBT high frequency inverter (PWM), high efficiency. The SENTINEL 5 PLUS is technologically advanced and designed to grant all users total power protection, supplying a voltage immune to mains disturbances.

Qualifying characteristics of the Sentinel 5 Plus are:

- “Stand-by-on” functioning: the UPS can be forced, via RS232 or the LCD panel, to operate in “line interactive” mode to maximise energy savings (efficiency upto 98%). This feature guarantees adequate protection to the load during periods where an “on-line” supply is not required.

The UPS will then automatically switch back to “on-line” mode when the mains parameters are outside the chosen limits.

- “Smart-Active” functioning: the UPS monitors the mains quality continuously and has the ability to switch to/from “on-line” or “line interactive” modes when necessary. This minimises, in the case of high mains voltage and frequency fluctuations, the number of switches between the two operating modes ensuring energy savings.
- “Battery Saving” feature.



MAIN FEATURES

- Wide input voltage range
- Output frequency selectable 50 or 60Hz (frequency converter)
- Automatic static bypass and manual maintenance bypass
- Automatic and periodic battery test
- Operating panel with back light LCD, buzzer, LEDs.
- RS232 port + expansion slot for SNMP or second RS23
- Microprocessor Flash Memory Allowing The Update of the Internal Hardware Via RS232 Port



Protecting your interests

TECHNICAL DETAILS

S5 Series	S5 + 6000	S5 + 6500	S5 + 8000	S5 + 10000
Input				
Nominal Voltage	230V Single phase	230V single phase/three phase/400V + N		
Accepted Voltage Range	0-276V			
Without passing to battery operation	170Vac (140Vac at 50% load)			
Frequency	50 - 60 Hz auto-sensing			
Power Factor	single phase: ≥ 0.99		three phase: ≥ 0.95	
Output				
Nominal Power KVA	6000 VA	6500 VA	8000 VA	10000 VA
Nominal Power KW	(4200W)	(4600W)	(5600W)	(7000W)
Voltage	220-230-240V Selectable			
Waveform	Sinusoidal			
Voltage Variation	Static <1%, Dynamic <5% in 20 msec			
Voltage Distortion	with linear load <2%, with non linear load <5%			
Frequency	50-60Hz selectable or auto-sensing			
Crest Factor	3:1 (up to 100% load)			
Overload	125% for 120 sec. - 150% for 30 sec.			
Output Connections	Terminals + 2 x IEC outlet (10A) for low power loads			
System				
Transfer Time	0 ms - (<10 ms line interactive)			
Efficiency: AC-AC	Input single phase: 91% - input three phase: 92% - (line interactive: 98%)			
Batteries: No./V/Ah	18/12/7	30/12/7	30/12/7	30/12/7
Communication ports	RS232, 15 poles free voltage contacts, E.P.O. connector Delta 9 pins, expansion slot for SNMP or second RS232			
Standards	Safety: EN 50091-1-1, Dir. 73/23/EEC & 93/68/EEC Electromagnetic (EMC): EN 50091-2 cl. A, Dir. 89/336/EEC, 93/68/EEC & 92/31/EEC Performance requirements and test methods: ENV 50091-3			
Acoustic Noise	<40 dbA at 1m			
Operating Temperature	0° - 40°C, ideal for battery -15° +25°C			
Physical				
Dimensions W x D x H (mm)	283x805x585	283x805x585	283x805x585	283x805x585
Weight without battery (kg)	100	135	135	135
Positioning	4 wheels with manual brake			
Autonomies minimum	8	15	12	10
Colour	RAL 7024 (dark grey)			

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