LU/333/07

WS1000 PRODUCT SPECIFICATION

AC Input (Mains):	230 Volts (nominal) ac, @ 50Hz
Power Input (Mains):	6 Watts (Note 2)
Rated Power Output:	1kW @ rated wind speed (Note 3)
Rated Wind Speed:	12.5 m/s (Note 8)
Cut-in Wind Speed:	3.5 to 5 m/s @ hub height (Note 8)
Cut-out Wind Speed:	14 m/s @ hub height (Note 8)
Reference Extreme Wind Speed:	35 m/s @ hub height
Operating Temperature Range, Generator:	-15C through +40C (Note 4)
Weight, Generator System:	25kgs (Note 5)
Weight, Plug 'n' SaveTM:	11kgs
Dimensions, Generator Assembly:	320mm long x 150mm wide x 110mm deep support s
Swept Area, Blade Assembly:	2.4m2
Swept Diameter, Blade Assembly:	1.75m
Dimensions, Plug 'n' SaveTM:	535mm long x 315mm wide, 130mm deep
Noise, Generator System:	LAeq=52 dBA 5m behind turbine @ 7m/s gusting LAeq=33 dBA 5m behind turbine @ 5m/s gusting
Operating Speed Range of Blades:	100 – 1050 rpm (Note 6)
Degree of Protection, Generator Assembly:	IP54
Degree of Protection, Plug 'n' SaveTM:	IP30
Expected Safe Life:	10 years (Note 7)

General references above relate to BS EN 61400 part 2
Design and specifications are subject to change without notice.

NOTES:

1. Values are nominal only, as slight variations will be present from unit to unit.

2. Power consumption of the Plug 'n' SaveTM unit in 'stand by' mode

3. Typically 12.5 m/s wind speed at the Propeller Blade Assembly is equivalent to an output of 1kW from the Plug 'n' SaveTM unit.

4. At altitudes < 1000m above sea level.

5. Excludes Support Pole & Brackets.

6. Useful power output range.

7. This is the expected safe life of the product, however the actual life will depend on the conditions the system has been subjected to. (e.g. Continual exposure to heavy salt water conditions will reduce life expectancy.) **It should also be noted that the Expected Safe Life period is NOT the stated warranty period of the product.**

8. Wind speed figures assume a steady value, as gusts to this figure will not always produce maximum output.

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