

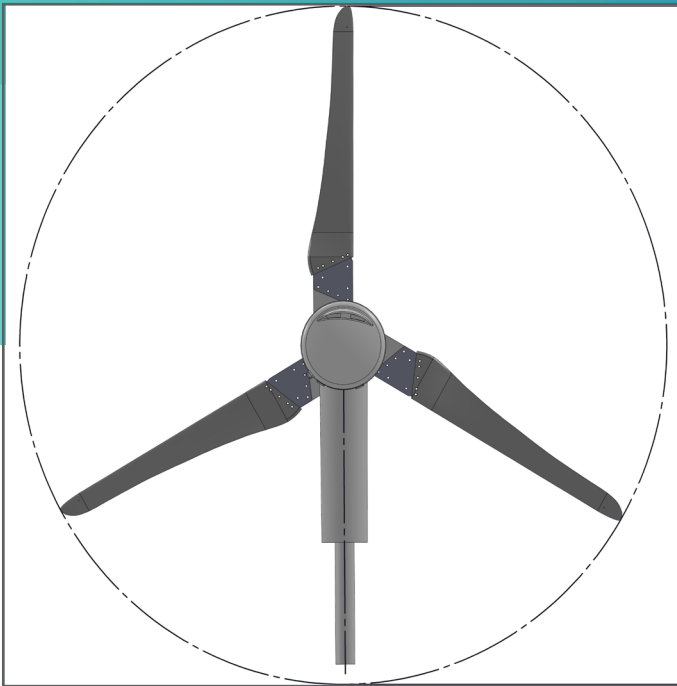


SD WIND ENERGY

**WORLD LEADERS
IN SMALL SCALE WIND**



SD1



ROTOR DIAMETER 2.5M

SD1

PRODUCT SPECIFICATION

Rated Power	1kW
Applications	Agricultural, Domestic, Remote Islands, Utility, Telco, Oil & Gas (Unmanned Platforms), Scientific Research
Solutions	Battery Charge 24v / 48v. Grid Tied 300v
Architecture	Downwind, 3 Bladed, Self Regulating
Rotor & Blade Size	2.5m Rotor Diameter. 1m Blade Length
Blade Material	Glass Thermoplastic Composite
Generator	Brushless Direct Drive Permanent Magnet
Tower Height Options	6m / 12m
Foundation Options	Pad / Rock Anchor
RPM (Peak)	400 @ 11m/s
Cut In Speed	2.5m/s
Cut Out Speed	None - Continuous Operation
Survival Wind Speed	Designed to Class 1 (70m/s)
Models Available	Standard / Marine / Cold Climate -40
Warranty	5 Year
Colour Options	Light Grey (RAL7035), Black (RAL9005)



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DESIGNED FOR EASE OF INSTALLATION

The SD1 is the smallest wind turbine in the SD range. Designed for small scale applications and remote access sites.

An evolution of the world renowned Proven 600W turbine.

The innovative design ensures continuous generation in all wind speeds with no cut-out or shut-down thanks to the delta rotor which is at the heart of the entire SD product range.

The SD1 utilises a de-mountable winch for raising and lowering the tower, all of which can be achieved by hand and without the need for hydraulic RAM's or heavy lifting plant. This design characteristic ensures the SD1 can be installed, serviced and maintained with minimal man-power.

Designed to be User Friendly and with Low Maintenance in mind, the SD1 is compact, durable and easy to install.

LOW COST OF OWNERSHIP

Unlike many alternative makes and models of wind turbines, SD turbines are direct drive in design, therefore, operate without the need for a gearbox. With fewer moving or replaceable components than alternative systems, the operating lifespan of SD turbines has already surpassed 25 years across the globe.

PROVEN TECHNOLOGY

The SD1 and all other models within our range, are compatible with most leading brands of inverters and charge controllers. Offering customers peace of mind that type approval is available with reputable suppliers of electrical systems, for both stand-alone systems and also for integration to new or existing hybrid energy grids.

WORLD CLASS MANUFACTURING

SD Wind Energy operates with a world class manufacturing facility in Scotland. Highly accredited and holding all major industry certifications. Our internal processes and procedures are independently audited annually.

GLOBAL SUPPORT NETWORK

Approved Installers for SD Wind Energy can be found across the globe. From Canada to Japan, Antarctica to Saudi Arabia, we have the capability to deliver small scale energy solutions world-wide.

The information contained within this product leaflet is preliminary and may be subject to change upon formal product launch. Contact info@sd-windenergy.com to be kept up to date with the formal product launch information.