

PERFORMANCE. EXPERTISE. RELIABILITY



SD WIND ENERGY

**WORLD LEADERS
IN SMALL SCALE WIND**

SD6 +



+44 (0) 1560 486 570
www.sd-windenergy.com



The SD6 is regarded by many as the turbine of choice and has been one of the World's Best Selling Small Wind Turbines for over 25 years.

Renowned for quality and durability, the SD6 is internationally recognised as a market leader in Small Wind.

Continuous Operation is guaranteed due to the innovative downwind design, incorporating the delta rotor. This unique system uses the latest advances in composite technology, allowing the blades to flex and regulate their speed. This ensures the turbine can continue operating and producing energy during extreme wind conditions when alternative wind turbines need to stop to protect themselves.

Utilising hydraulic towers ensures minimum downtime for service inspections, which are only required at 25,000kWh intervals. This offers customers a low cost of ownership compared to alternative wind turbines on the market.

SD Wind Energy delivers affordable energy security to a wide range of customers. The SD6 is fully certified under the MCS & SWCC schemes, ensuring eligibility for incentive programs.

Our SD6+ turbine is a 6KW turbine that can reach 9kW in high wind speeds, mounted onto either a 9m, 15m or 20m gin pole or hydraulic tower which can be set in either a fixed concrete base, or above ground base. The SD6+ turbine follows the SD6 power curve up to a point, then exponentially increases in high wind speeds. This is due to additional copper winding included in the generator. The design of the SD6+ is otherwise the same as the SD6 wind turbine.

SD6 + Product Specification

Rated Power	6.0kW @ 11m/s
Applications	Agricultural, Domestic, Remote Islands, Utility, Telco
Solutions	Grid Tied & Battery Charge, 48V, 300V
Architecture	Downwind, 3 Bladed, Self Regulating
Rotor	5.6m Diameter
Swept area (m2)	24.6m2
Blade Material	Glass Thermoplastic Composite
Head Weight	550kg
Generator	Brushless Direct Drive Permanent Magnet
Tower Height Options	9m / 15m / 20m Taperfit Monopole – Hydraulic or Gin Pole
Tower Specification	Class 1 Rated / Galvanised Steel
Foundation Options	Pad / Root / Rock Anchor
Cut In Speed	2.5m/s
Cut Out Speed	None - Continuous Operation
Survival Wind Speed	Designed to Class 1 (70m/s)
Warranty	5 Years
Cold Climate Options	Available on Request
Colour Options	Light Grey (RAL7035) Black (RAL9005)



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SECURE YOUR ENERGY FUTURE TODAY WITH SD WIND ENERGY

APPROVED PRODUCT





SD6+ Power Curve		
MPH	M/S	Power (kW)
1	0.45	0
2	0.89	0
3	1.34	0
4	1.79	0
5	2.24	0
6	2.68	0.01
7	3.13	0.05
8	3.58	0.17
9	4.02	0.17
10	4.47	0.3
11	4.92	0.48
12	5.36	0.51
13	5.81	0.62
14	6.26	1.03
15	6.71	1.45
16	7.15	1.67
17	7.60	1.88
18	8.05	2.68
19	8.49	2.98
20	8.94	3.6

SD6+ Power Curve		
MPH	M/S	Power (kW)
21	9.39	4.5
22	9.83	4.9
23	10.28	5.5
24	10.73	6.0
25	11.18	6.3
26	11.62	6.6
27	12.07	6.9
28	12.52	7.1
29	12.96	7.3
30	13.41	7.6
40	17.88	7.9
50	22.35	8.1
60	26.82	8.3
70	31.29	8.6
80	35.76	8.9
90	40.23	9
100	44.70	9
110	49.17	9
120	53.64	9

The power curve values tabled above are representative of the wind power output produced using an SD6+ turbine with a specific inverter set up. Actual output is dependent on several factors including turbine siting and inverter type and setup.