

Delta Wind Energy Product Specifications



Introducing the Delta Wind Energy System

The DHE1.0+ I is designed to generate more power than comparable systems. The system is compact and lower noise, delivering greater value and efficiency.

- Annual Energy 2300 kWh/Yr @ 6 m/s (13.4 mph).
- System Max Efficiency 37%.
- Easy Connection with SOLIVIA*.
- Multiple Protection Functions.

*For Grid Feeding.

Features

- Efficient Blade Design.
- Low cut-in wind speed.
- Over-speed protection: auto-furling.
- Efficient generator Design.
- Upwind turbine.
- Transformerless with peak efficiency (92%).
- Automatic Electrical Brake System (EBS): Turbine over speed protection.
- Over current/voltage protection.
- Lightning protection.
- LED Indicators: Easy reading system failure & protection activities.
- Integrated RS485 communication port.
- Delta Specified Wind MPPT (Maximum Power Point Tracking) transfers maximum available power from wind turbine for the load.

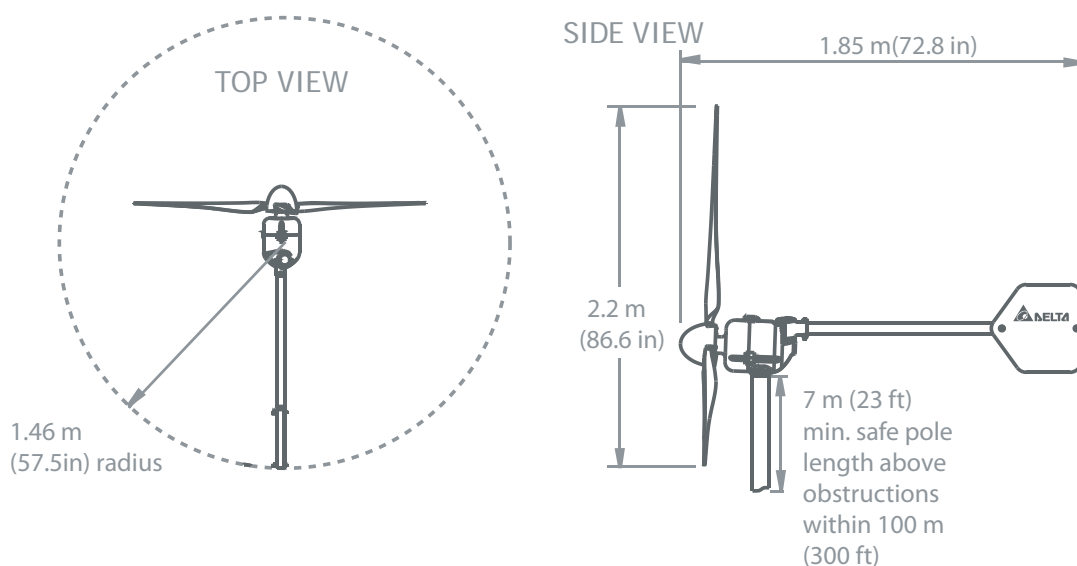
Grid Feeding

- Delta SOLIVIA Connection.

Warranty

- Please refer Owner's manual for more detail.

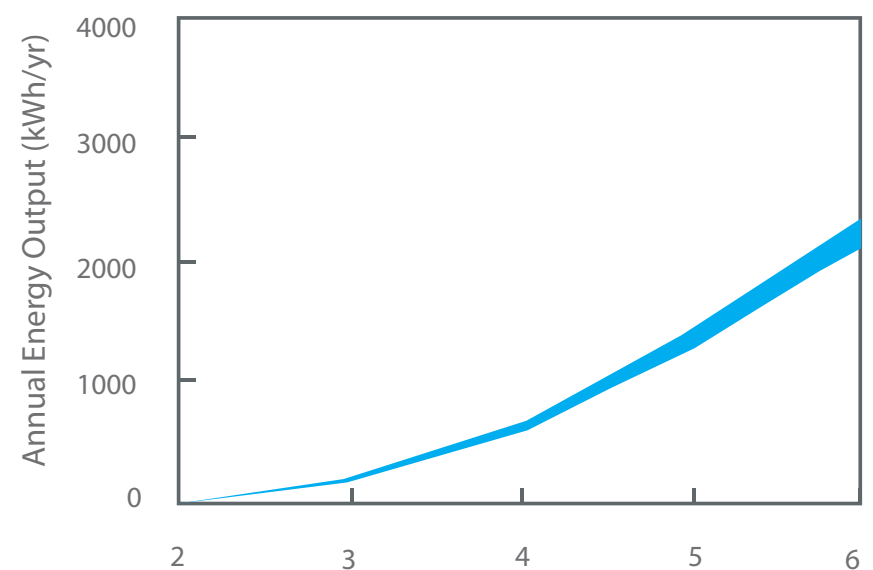
Sphere of Operation



Product Specifications

Annual Energy (kWh@m/s)	2300 @ 6
System Max Output Power (W)	1200
System Max Output Current (A @ VDC)	4.0 @ 300
Operating Output Voltage Range (VDC)	300-380
Rated Power (W@ m/s)	1000 @ 11
Rotor Diameter (m)	2.2
Number of Blades	3
Rated Speed (rpm)	830
Swept Area (m ²)	3.8
Start-Up Wind Speed (m/s)	3.5
Cut-In Wind Speed (m/s)	4
Critical Wind Speed (m/s)	42.5
Body Material	Aluminum
Blade Material	Fiberglass reinforced composite
Overspeed Protection	Auto-furling, Electrical Brake System
Alternator	Direct drive, permanent magnet
Yaw control	Passive
System Max Efficiency (%)	37
Operating Ambient Temperature (°C)	-10 ~ +40
Enclosure Type	IP65
Relative Humidity (%RH)	5 - 90
TCi Size (Depth x Width x Height) (mm)	410 x 410 x 180
Weight (kg)	Turbine 38 TCi 21.5

Energy Performance



Annual Average Wind Speed (m/s)

*Suitable with DES SOLIVIA



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