

Technical Data

| General Information | Power | Tower (Under Pivot) | Rotor |
|---------------------------|--------------------------------|---------------------------|--|
| Nominal Output 3.5 w | 5.0 MPH (2.2 m/s) Cut in speed | Tubular Steel Monopole | Diameter 8 ft (2.4 m) |
| High End Output 6.0 w | 1,500 w@22.4 mph (10 m/s) | 18 ft (5.4 m) | DAWT Swept Area 50.2 ft ² (2.4 m ²) |
| Horizontal Rotor Shaft | 3.5 Kw Generator | 8 Bi-facial Solar Panels* | 8 Bi-facial Solar Panels* |
| Grid Connected Operation | Direct Drive - Gearless | | |
| Hub Height 25 ft (7.62 m) | | | |

* Glass construction rated at 5400 Pa snow load and 185 MPH wind speed

Specifications

| | |
|---------------------------------|-----------------------------------|
| Rotor Diameter | 8 ft (2.44 m) |
| Blade Length | 40 in (20.3 cm) |
| Swept Area | 25.4 sq. ft (7.7 m ²) |
| Hub Height | 25 ft (7.6 m) |
| Nacelle Weight | N/A |
| Rotor Weight | 180 lb (82 kg) |
| Wind Speed Furl Out | N/A |
| Cut in Wind Speed Energy Output | 5 mph (2.2 m/s) |
| Power Efficiency | 54% |
| Noise Level | 25 db |
| Warranty | Limited to 20 yrs |



| Parts | Materials | Weight (in lbs) | (in kgs) |
|----------------------------------|--|-----------------|--------------|
| Pivot | Carbon Steel | 180 | 82 |
| Hub | 6061 Aluminum | 45 | 21 |
| Blades | 6061 Aluminum | 132 | 60 |
| Upper Mast - ASSY | DOM Tubing | 465 | 211 |
| Spokes with hardware | Carbon Steel | 40 | 18 |
| Generator | Steel, Copper | 185 | 84 |
| Bottom Pole | Hot-Rolled Carbon Steel | 1250 | 567 |
| Aluminum Framework | 6061 Aluminum | 500 | 227 |
| Shroud Versatek | Polypropylene (UV stabilized w/woven glass fiber) | 32 | 15 |
| Solar Arrays | Tempered Glass | 960 | 432 |
| Solaer Array Pole Mount Hardware | 6061-TG Aluminum | 330 | 150 |
| TOTAL UNIT WEIGHT | | 4,119 | 1,868 |

Contact Information:

Paul J Morrell

VP of Business Development

pmorrell@skywolfwindturbines.com

Phone: (585) 447-9135 Fax: (585) 447-9136