

# BERGEY EXCEL 10

## The wise choice for Performance, Reliability, and Ruggedness

The Bergey Excel 10 is ideal for homes, farms, and small businesses. Its extra large rotor and low cut-in wind speed give it exceptional performance, out producing all other turbines in its class. More energy means greater savings and a quicker payback.



### The Wise Choice

30 years ago, Bergey pioneered the radically-simple "three moving parts design" that has proven to provide the best reliability, service life, and value of all of the hundreds of competitive designs that have come and gone in that time. A small wind turbine is a big investment and Bergey is clearly the wise choice.

### Advanced Technology:

- BW-7 Proprietary Low Noise Airfoil
- Powerflex Super High-Strength Blades
- Neo-10 Direct-Drive Permanent Magnet Alternator
- AutoFurl Storm Protection
- 12kW Powersync II Inverter
- Remote Monitoring (optional)





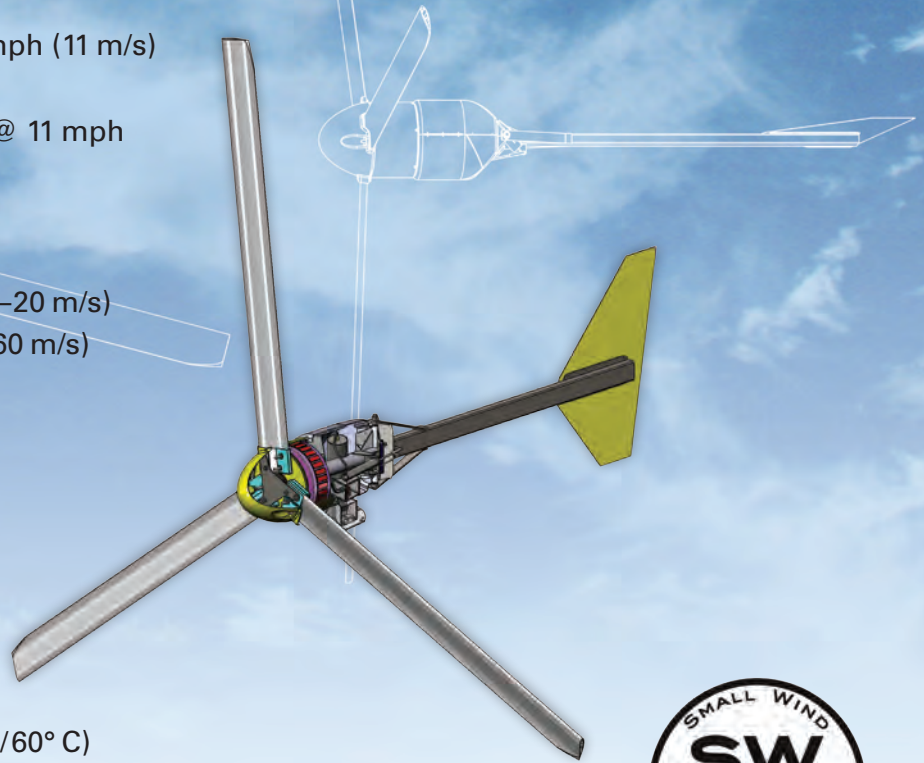
# BERGEY EXCEL 10

## Performance

- AWEA RATED POWER: 8.9 kW @ 24.6 mph (11 m/s)
- PEAK POWER: 12.6 kW
- AWEA ANNUAL ENERGY: 13,800 kWh @ 11 mph (5m/s) Average
- CUT-IN WIND SPEED: 5.6 mph (2.5 m/s)
- CUT-OUT WIND SPEED: None
- FURLING WIND SPEED: 31–45 mph (14–20 m/s)
- MAX DESIGN WIND SPEED: 134 mph (60 m/s)
- NOMINAL ROTOR SPEED: 0–400 rpm

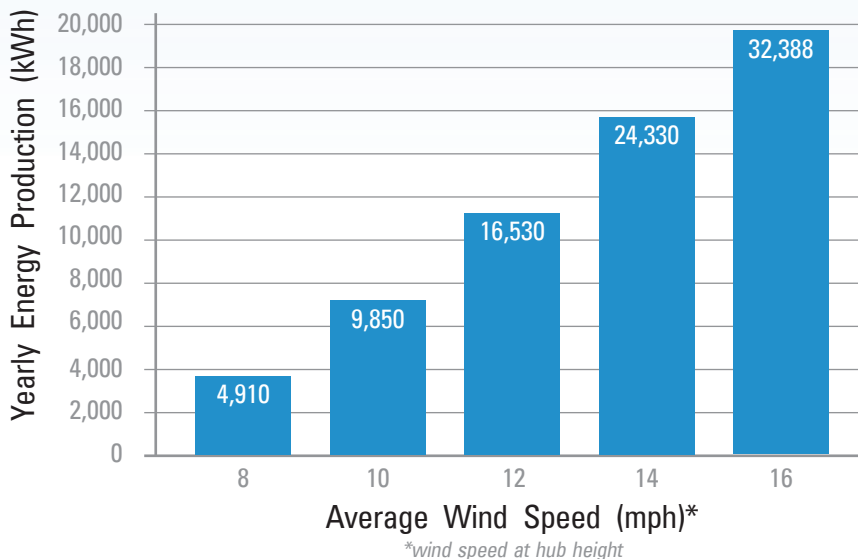
## Mechanical

- TYPE: 3-Blade Upwind, Horizontal Axis
- ROTOR DIAMETER: 23 ft. (7.0 m)
- WEIGHT: 1200 lb. (545 kg)
- GEARBOX: None
- OVER SPEED PROTECTION: Autofurl®
- TEMPERATURE RANGE: -40/140° F (-40/60° C)
- TOWERS: Guyed and Non-guyed 80–160 ft. (24–49 m)
- ALTERNATOR: 3Ø Neo Permanent Magnet
- INVERTER: 12 kW Powersync II
- Remote Monitoring Via Internet and Smartphones (Optional)



**CERTIFIED**  
SMALL WIND TURBINE  
SWCC-10-12

**Annual Energy Output**



**12 kW Powersync II Inverter**



# BERGEY EXCEL 15

## Performance\*

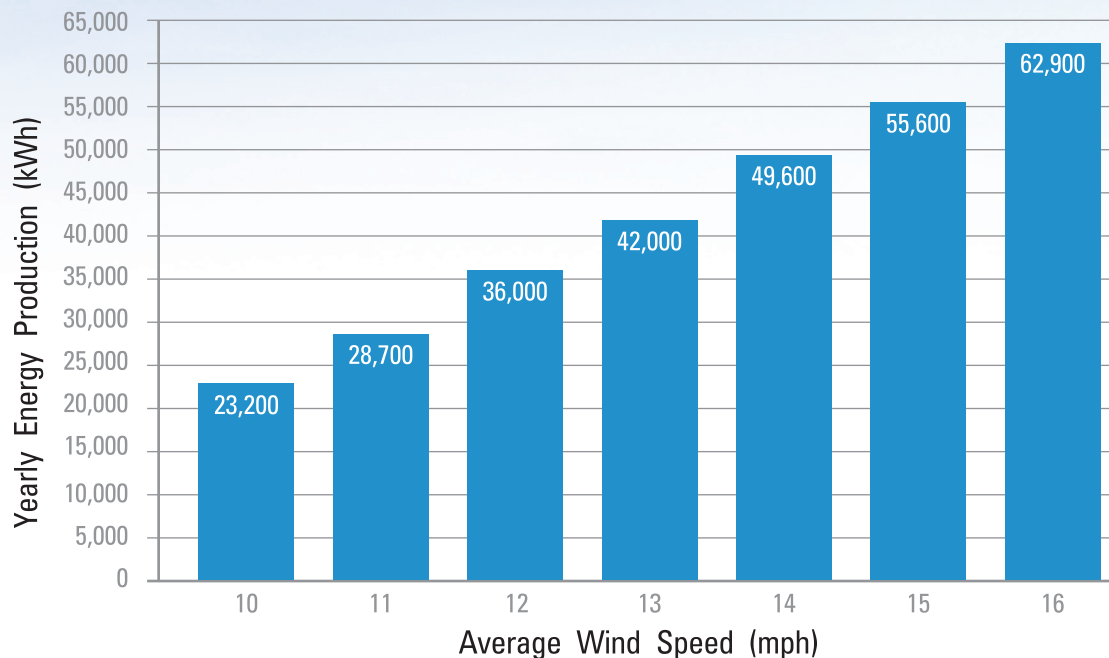
- AWEA RATED POWER: 15.6 kW
  - AWEA ANNUAL ENERGY: 30,100 kWh
  - PEAK POWER: 21.8 kW
  - CUT-IN WIND SPEED: 7 mph (3 m/s)
  - START-UP WIND SPEED: 10 mph (4.5 m/s)
  - CUT-OUT WIND SPEED: None
  - MAX DESIGN WIND SPEED: 134 mph (60 m/s)
  - ROTOR SPEED: 0–140 rpm
- \*preliminary, pre-certification

## Specifications

- ROTOR DIAMETER: 31.5 ft. (9.6 m)
- WEIGHT: 1,400 lb. (640 kg)
- GEARBOX: None
- OVER SPEED PROTECTION: Blade Stall
- TEMPERATURE RANGE: -40/140° F (-40/60° C)
- TOWERS: Guyed and Non-guyed 80–160 ft. (18–49 m)
- INVERTER: 20 kW Powersync III, with dump load



## Annual Energy Output\*



## Powersync III Inverter (20 kW)





# BERGEY EXCEL 15

## Advanced Technology – Superior Economics

Powerful. Super Efficient. Quiet. The Bergey Excel 15 is ideal for agricultural properties, larger rural homes, small businesses, public facilities, and electric car charging.



### Breakthrough Affordability:

- Affordable alternative to imported solar
- Greater savings
- Shorter paybacks
- Works in lower wind areas
- American-made
- Supports conversion to total-electric
- Tax credits and grants available

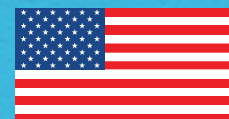


The **Excel 15** benefits from 40 years of experience from the world's leading supplier of small wind turbines.

### Advanced Technology:

- Extra-large high-efficiency rotor for increased energy capture
- Active speed control
- Direct-drive alternator
- Only two moving parts
- 20 kW Powersync III inverter
- Remote monitoring

PROUDLY MADE



IN THE USA



2200 Industrial Blvd. • Norman, OK 73069 • 405.364.4212 • [bergey.com](http://bergey.com) • [sales@bergey.com](mailto:sales@bergey.com)