The Bergey BWC Excel is a rugged and reliable small wind turbine that has been proven in hundreds of installations around the world. It comes from the world's leading manufacturer of small wind turbines and is backed by the longest warranty in the industry. Whether you want to reduce the electric bills at your home or power a critical load from the power grid, the BWC Excel will deliver years of "worry-free" power.

Excel-S Grid-Intertie Applications (10kW)
Excel-R Battery Charging Applications (7.5kW)
Excel-PD Pumping Applications (10kW)

Predicted Monthly Energy Production

Wind Speeds Taken at Top of Tower

Average Wind Speed 8 mph 9 mph 10 mph 11 mph 12 mph 13 mph 14 mph
Excel-S (DC kWh) 2.42 2.76 3.20 3.70 4.20 4.70 5.20
Excel-R (DC kWh) 2.42 2.76 3.20 3.70 4.20 4.70 5.20

Wind Speeds Taken at 10 meters (per standard wind resource maps)

Average Wind Speed 8 mph 9 mph 10 mph 11 mph 12 mph 13 mph 14 mph
60 ft Excel-S 330 466 649 907 1,305 1,703 2,101
Tower Excel-R 330 466 649 907 1,305 1,703 2,101
100 ft Excel-S 430 630 849 1,150 1,550 1,950 2,350
Tower Excel-R 430 630 849 1,150 1,550 1,950 2,350
150 ft Excel-S 530 720 950 1,290 1,730 2,170 2,610
Tower Excel-R 530 720 950 1,290 1,730 2,170 2,610

Assumptions: 30% Site, Rayleigh Distribution, Shear Exponent = 0.18, Altitude = 1,000 ft.
Note: Battery charge regulation (besides load) will reduce actual Excel-R performance.
Your Performance May Vary.
GRIDTEK 10
- Power Processor for the Excel-S Grid-Intertie System
- 240 VAC Output, 60 Hz or 50 Hz, 220 VAC
- No Batteries, Excess Power Is Sold to the Power Company
- Fully Automatic Operation
- Advanced Digital Design
- Displays Output Power and Turbine Speed
- 5-Year Warranty
- UL Listed
- CEC Certified

OPTICHARGE 10
- Rectifier and Regulator for the Excel-R Battery Charging System
- 24, 48, 120, or 240 VDC Outputs
- Solid-State, Passive Cooling (except 24 V unit)
- OptiCharge, Constant Voltage Charging, For Longer Battery Life
- Fully Automatic Operation
- Displays Battery Voltage and Charging Status
- Optional Integrated DC Power Center
- 5-Year Warranty

PUMPTEK 10
- Pump Controller for the Excel-PD Wind-Electric Pumping System
- New Improved Design
- Solid-State, No Battery
- For Standard 240 VAC 3-Ph Pumps
- Fully Automatic Operation
- Dry Pump Shutdown
- Outdoor Rated Enclosure
- 5-Year Warranty