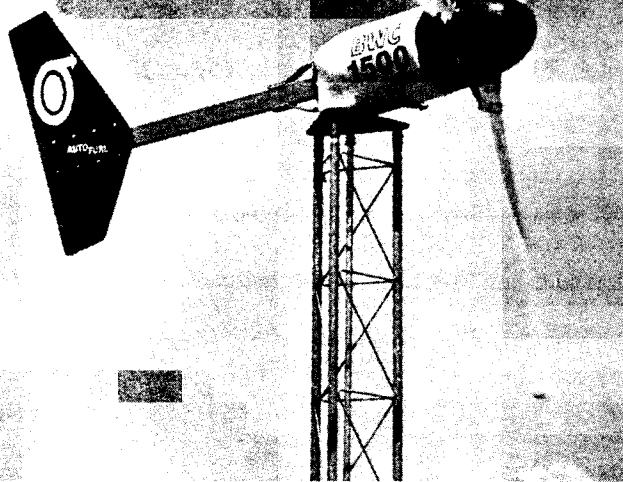


BERGEY BWC 1500



THE BWC 1500 WIND TURBINE SYSTEM

The BWC 1500 is a modern 1500 watt wind turbine designed for high reliability, low maintenance, and automatic operation in adverse weather conditions. It is available in both battery charging and water-pumping versions.

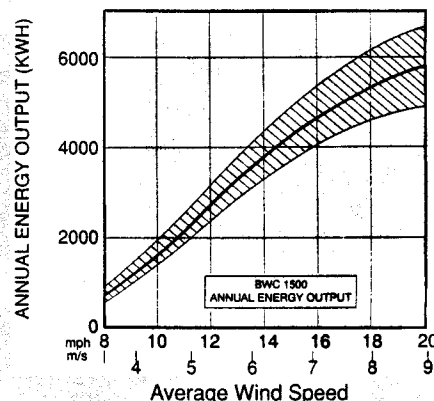
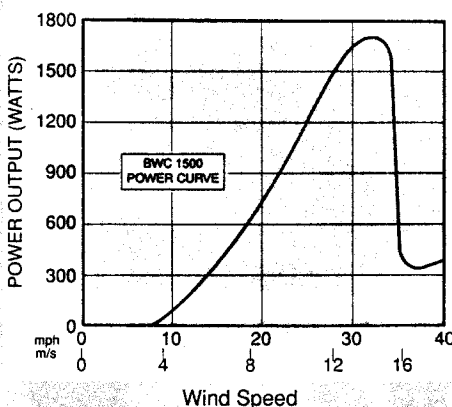
Battery charging BWC 1500's can be supplied with outputs of 12, 24, 36, 48, and 120 VDC. They are well suited for rural homes, cabins, remote villages, and telecommunication sites, where they can support continuous loads of 175-300 watts or more.

As a water pumper, the BWC 1500 can be located as much as 300 m (1000 ft) from the well to take advantage of improved wind conditions. USDA tests have shown that a BWC 1500-PD is more cost effective than a conventional mechanical wind pumper. It is two or three times more cost effective than PV-powered pump systems.

BWC 1500 PERFORMANCE

The performance data shown in the two graphs have been compiled in accordance with industry standards as established by the American Wind Energy Association. The power curve is corrected to standard temperature and pressure. The estimated Annual Energy Output (kilowatt-hours) assumes the AWEA standard distribution of wind speeds. In order to account for non-standard wind distributions, a range of AEO outputs is shown.

Multiple units or wind/PV hybrid systems may be used to increase the power available at a given site.



BWC 1500 SPECIFICATIONS

START-UP WIND SPEED 8 mph (3.6 m/s)
 CUT-IN WIND SPEED 8mph (3.6 m/s)
 RATED WIND SPEED 28 mph (12.5 m/s)
 RATED POWER 1500 Watts
 CUT-OUT WIND SPEED None
 FURLING WIND SPEED 32 mph (14.3 m/s)
 MAX DESIGN WIND SPEED . . 120 mph (53.6 m/s)

TYPE 3 Blade Upwind
 ROTOR DIAMETER 10 ft (3.0 m)
 WEIGHT 168 lbs (76 kg)
 BLADE PITCH CONTROL POWERFLEX®
 OVERSPEED PROTECTION AUTOFURL™
 DRIVE Direct
 TEMPERATURE RANGE -40° to +140° F
 (-40° to +60° C)

GENERATOR Permanent Magnet Alternator
 OUTPUT FORM . . 3 Phase AC, Variable Frequency
 WITH VCS-1.5 Regulated DC, 12v - 120v

Authorized Dealer:

