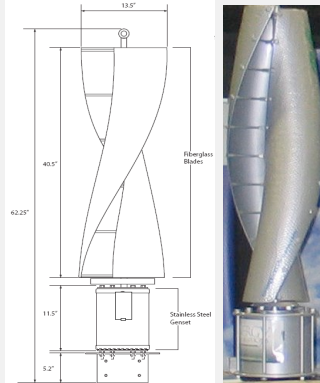


GALE 1 Vertical Axis Wind Turbine

GALE™ 1 – Operating Range to 120 mph

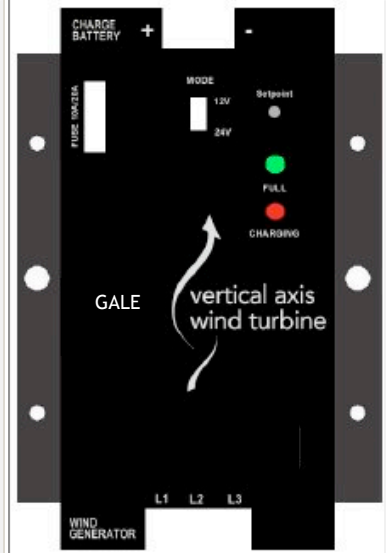


Environmental Issues

GALE™ turbines are extremely quiet (records show no perceptible increase in noise levels in normal background conditions). They are perceived as solid objects even at high wind speeds and are therefore bird and bat friendly. For these reasons they are particularly well suited for use in populated centers, on buildings, public spaces, conservation and park areas. GALE™ turbines blend into the natural environment, making them less intrusive. Custom colors and designs are available. Call your local dealer for details.

Rated power	1-10A
Mast recommendation	Metal/ concrete
Cut-in wind speed	4.25 mph
Rated wind speed	35mph
Cut-out wind speed	None
Swept area	3.23 ft ²
Vane weight	10 lbs
Total weight of turbine	85 lbs
Rotor speed control	Not required, electronic
Overspeed control	None required
Generator model	GALE 1.0kW
Generator construction	Permanent magnet
Generator types	1-200 V
Gear box	Without gear
Main brake system	Electronic
Charging controller	GALE 12V/24V
Measured sound emission	58 dB @ 20' (estimated)

CONNECTIVITY:
GALE Turbines produce three (3) phase AC current, which then is converted into DC by the GCC controller right. That DC power is then available for sending to a battery(ies) or a battery/inverter system for connection with the grid.



GALE™ wind turbines have been developed to meet the requirements of: long life span, efficiency, durability and minimum need of maintenance. They are available for stand alone or grid-connected applications, wherever energy is needed. Studies show that the GALE turbine design produces a minimum 30-50 % more electricity per year than propeller type turbines with the same swept area and take advantage of all winds; as changes in wind direction and turbulence do not effect them.

©2009 Note: Manufacturer retains the right to modify specifications as improvements are made.