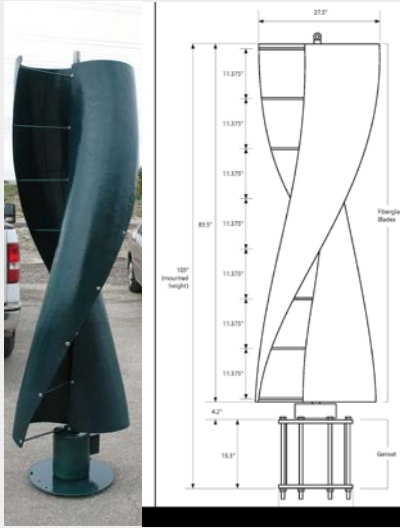


GUS T1 Vertical Axis Wind Turbine

GUS T1 – Power Production to 90 mph



Environmental Issues

GUS™ Wind Turbines are extremely quiet (records show no perceptible increase in noise levels in normal background conditions). They are perceived as a solid object 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. GUS™ turbines blend into the natural environment making them less intrusive. Custom colors and designs are available. Call your dealer.

Rated power	1-20A
Mast recommendation	Fiberglass/Metal/ concrete
Cut-in wind speed	4.25 mph
Rated wind speed	40mph
Cut-out wind speed	None
Swept area	15.95 ft ²
Vane weight	70 lbs
Total weight of turbine	270 lbs
Rotor speed control	Not required, electronic
Overspeed control	None required
Generator model	GUS 1.5kW
Generator construction	Permanent magnet
Generator Voltage	1-200 VAC/12,24,48, 240 VDC
Gear box	Without gear
Main brake system	Electronic
Charging controller	Aurora WIB
Measured sound emission	58 dB @ 20' (estimated)



CONNECTIVITY:

The GUS 1 USFS wind turbine produces three (3) phase AC current, which then is converted into high voltage DC by the Aurora® Wind Interface Box (WIB).

That DC power is then available for sending to the Aurora® wind PVI-6000 or PVI-3600 inverter system for connection with the grid. Tangarie Alternative Power LLC also offers a battery/inverter option designed for the GUS™ wind turbines as a separate system.

The Aurora® components are UL 1741 and CSA-C22.2 compliant.



GUS 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 GUS 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 affect them.