GUS 10 Vertical Axis Wind Turbine

**GUS 10 – Operating Range to 90 mph**

- **Rated power**: 20A/24V, 50A/48V
- **Mast recommendation**: Spun Concrete/metal/wood
- **Cut-in wind speed**: 4.00 mph
- **Rated wind speed**: 40 mph
- **Cut-out wind speed**: none
- **Swept area**: 43.04 ft²
- **Vane weight**: 80 lbs
- **Total weight of turbine**: 1,200 lbs
- **Rotor speed control**: not required, electronic
- **Overspeed control**: none required
- **Generator model**: Gus 10kW
- **Generator construction**: permanent magnet
- **Generator types**: 1-700 V/12,24,48V
- **Gear box**: without gear
- **Main brake system**: electronic
- **Charging controller**: GUS CC 10A20A, CC 20A50A
- **Measured sound emission**: 53 dB @ 12’

**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.

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

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 effect them.