

# THE ANORRA TURBINE

A microgeneration wind turbine

Our mission is to provide cost effective clean energy wind solutions to reduce electricity costs for rural dwellings and cottages.

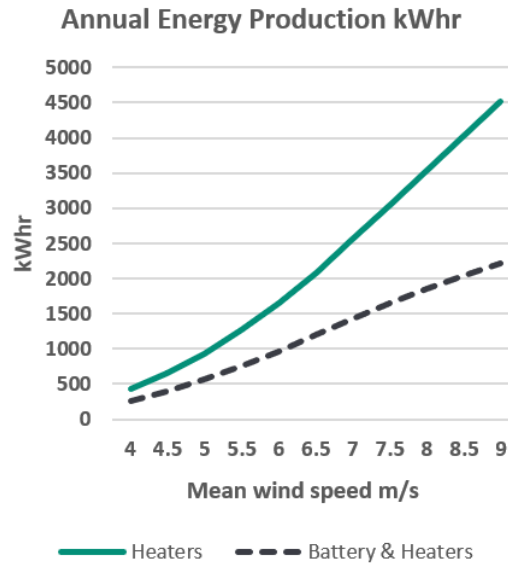


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## THE ANORRA TURBINE

The Anorra Wind Turbine is a small microgeneration wind turbine designed to offset high electricity costs and reduce green house gas emissions. The only turbine of it's kind, the Anorra Turbine increases the energy availability for rural dwelling homeowners in temperatures as low as -50 C.



### Turbine

- Robust design
- Designed and tested for cold climate up to -50 C
- Superior annual power generation
- Delivered pre-assembled
- Final assembly with house tools
- Ease of serviceability - no electronic circuits

### Tower

- Stainless steel guyed wire
- Tilt base (no crane required)
- Modular 72 ft or 51 ft
- Easy to assemble
- Wide selection of anchors

## CHARACTERISTICS

- Maximum Power 2.2 kW
- Rated Power: 1.1 kW
- Rated Wind Speed: 12.5 m/s
- Start wind speed: 3.5 m/s
- Cut in wind speed: 4.1 m/s
- Survival wind speed: 52.7 m/s
- Design lifetime: 25 years
- Overall weight: 37 kg
- Type: Horizontal-axis
- Body: Anodized Aluminum & Galvanized Steel

### Rotor

- Rotor diameter: 2 m
- Rotor maximum speed: 1200 pm
- Blade material: carbon fiber
- Number of blades: 3.

### Generator

- Frequency: variable
- Voltage: 24/48 AC phase
- Type: Permanent Magnet Synchronous Generator

### Control & Safety System

- Power Control: Tail Furling
- Secondary safety system: electromagnetic brake

### Warranty

- Standard: 5 years
- Extended warranty: 15 years