



CEEI

Circular Economy & Eco Innovation Institute

Org. No : 802512-1438

Rugged

Silent

Reliable

RAILINGS

WIND GENERATOR



G.G.1.000

*for balcony
or side road barriers*

Domestic use or Heavy Traffic Roads

Applications

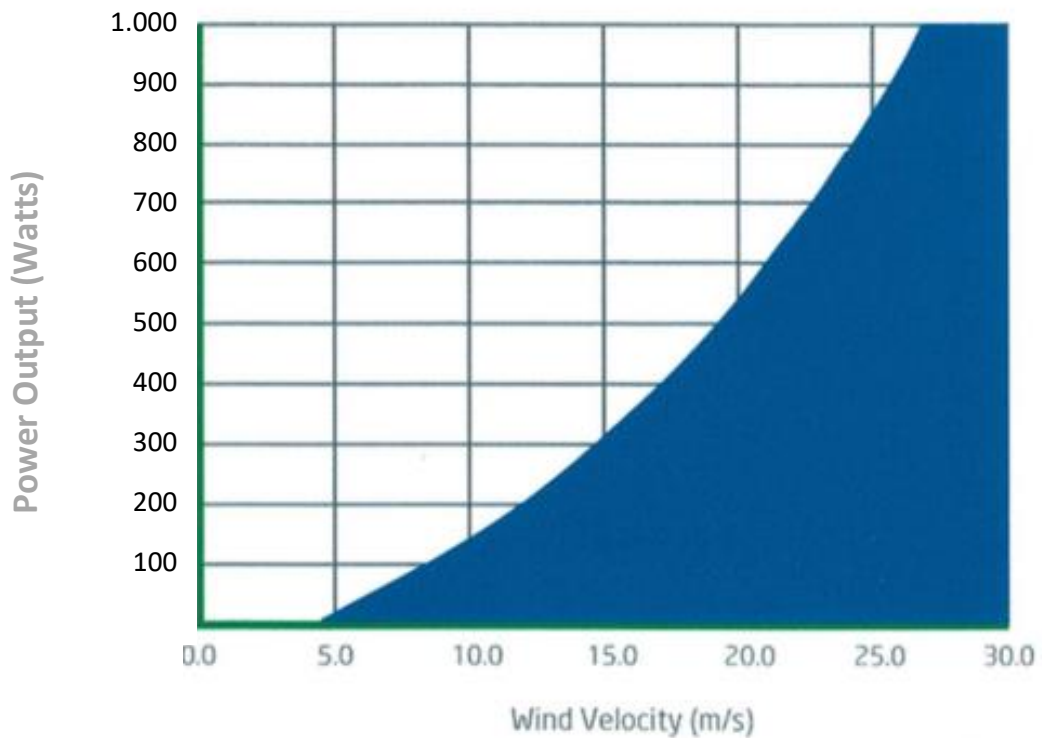
Off grid for charging batteries or sunlight use - on grid

In challenging environments

A complex of five vertical axis small wind generators in line for railings use producing up to 1kwp

Designed by CEEII/Dr G. Geroulis

TECHNICAL OVERVIEW



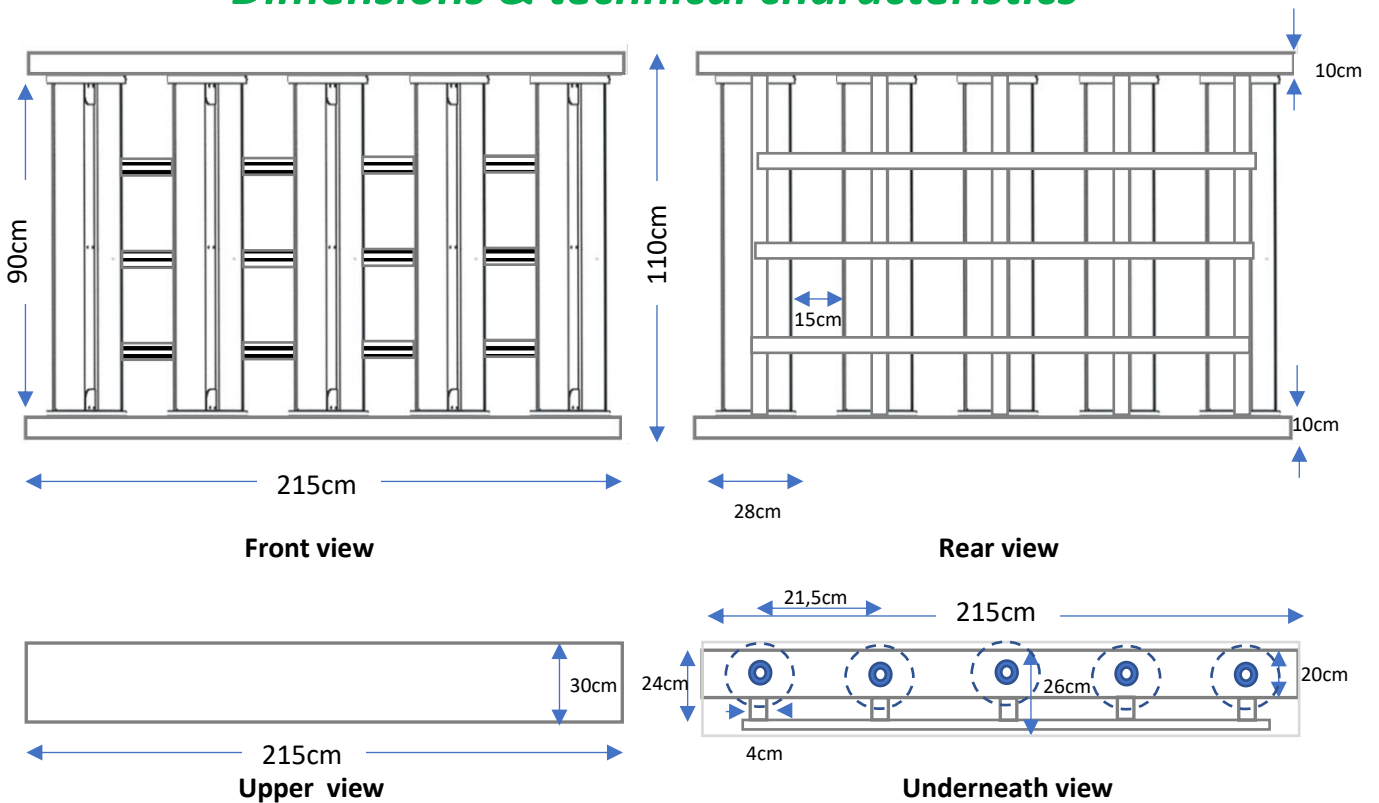
G.G.1.000 R

Where wind speeds can regularly reach over 27m/s (60mph) the Green Generator 1.000-watt railings is the wind turbine choice for your home. Put it as a fence in your balcony or in proper place on the roof or your garden.

Or put few of them in series in traffic road as side barrier. The passing vehicles will power it to cover some domestic energy needs.

It features enhancements that reduce the stress and fatigue on the blades during prolonged periods of storm force winds. The overall turbines RPM is reduced while maintaining the same power output as the standard GG 1.000R. In sub-zero temperatures the black body absorbs UV light to help prevent ice build up while the low temperature bearings mean the turbine continues generating power at temperatures down to -40 deg C.

Dimensions & technical characteristics



- Rotor diameter - 260mm**
- Rotor Height - 900mm**
- Rotor Type - 3-Blade savonius**
- Blade Material - Aluminium**
- Rated output - 24W at 8m/s (18mph)**
- Peak output - 200W**
- Cut-in speed - 4m/s (9mph)**
- DC output voltage - 48V**
- Weight - 13Kg**
- Warranty - 2 years**

G. G. 1.000 characteristics

Rated power 120 watt
 Peak output 1.000 watt
 DC output voltage – 240 volts

