

|                              |                             |
|------------------------------|-----------------------------|
| <b>Turbine height</b>        | 1.2 m (1 kW) / 1.5 m (2 kW) |
| <b>Turbine diameter</b>      | 1 m (1 kW) / 1.5 m (2 kW)   |
| <b>Cut-in wind speed</b>     | 2.2 m/s                     |
| <b>Rated wind speed</b>      | 6 m/s                       |
| <b>Survival wind speed</b>   | 50 m/s                      |
| <b>Brake</b>                 | Electromagnetic             |
| <b>Rotor</b>                 | Sintered Neodymium magnets  |
| <b>Lifespan</b>              | > 20 years                  |
| <b>Protection rating</b>     | IP 54                       |
| <b>Certification</b>         | CE                          |
| <b>Ambient temperature</b>   | -20°C to +45°C              |
| <b>Rated power</b>           | 1000 W - 2000 W             |
| <b>Rated speed</b>           | 350 - 500 RPM               |
| <b>Rated voltage</b>         | 48 V AC / 120 V AC          |
| <b>Rated current</b>         | 16 - 25 A                   |
| <b>Efficiency</b>            | > 95%                       |
| <b>Winding type</b>          | Y (Star)                    |
| <b>Insulation resistance</b> | 100 MΩ min (500 V DC)       |
| <b>Starting torque</b>       | < 0.5 Nm                    |
| <b>Rated torque</b>          | 38                          |
| <b>Total weight</b>          | 40.0 kg / 60.0 kg           |

## THE ENERGY REVOLUTION

The Totem is available for network connection or stand-alone operation.

The revolutionary electricity generation system, the Totem Energy Generator (TEG), combines a highly efficient vertical-axis wind turbine with a series of photovoltaic modules attached to the sides of a pentagonal steel totem. An internal lithium battery storage pack and intelligent management of the energy flows generated by the various integrated devices complete the system and ensure constant production of clean energy throughout the day, 24 hours a day, 365 days a year. It's immediately clear that this integrated renewable energy generation system overcomes the limitations of devices currently available on the market.

To give some indicative parameters with a TEG installed in a site such as in our climatic zones, between 4200 and 9800 Kwh per year can be produced per Kw installed, to which must be added the Kwh produced by the photovoltaic modules (600 Kwh for the basic 500 Wp model)

Turbine integration with new or existing photovoltaic systems



# TYPES OF TEGS AND BRACKETS



TEG 1 -  
CKA01



TEG 2 -  
CKA01

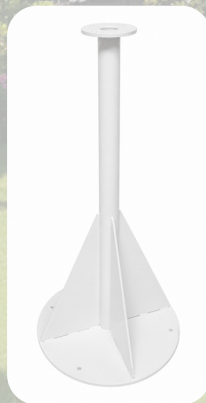


TEG 3 -  
CKA01

Adjustable sloping  
roof bracket



Flat roof bracket



The Totem Energy Generator (TEG) is suitable for various applications, in the residential, manufacturing and tertiary sectors. Thanks to the flexibility of the range in three power levels, it is possible to install it, in the case of private homes, in the garden rather than on a terrace, and if necessary install more than one, making them work in parallel.

In the secondary and tertiary sectors, applications are multiplying, think of small artisanal businesses or small industries, energy-intensive activities that need to produce their own energy and consume it themselves.

We're thinking about port docks, electric vehicle charging stations, and municipalities powering street and building lighting. Our system integrates seamlessly with existing photovoltaic systems, supplementing production in the absence of sunlight and during the winter season.

Our system is highly integrable with new photovoltaic systems, increasing the power and production generated.

*NB: We can provide an estimate of annual energy production for the hypothesized location based on the geo coordinates of the potential installation site: thanks to this simulation, the customer has a conservative idea of the annual kWh production that the TEG could achieve, based on the average wind speeds currently available in wind atlases on the web.*

For more info scan here!

