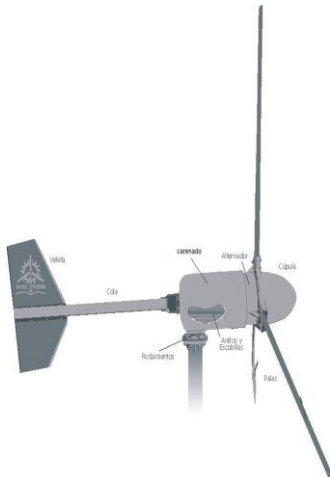


Solener Wind Generator 2010

Series: 1.000 - 2.000 – 3.000



The new Solener Wind Generator family of 1kW, 2kW & 3kW has been updated with new RD developments in battery control, safety (Active & Passive) and speed control in one single unit, so maintenance and service is easier and less expensive.

The hardware robust design, with the new electronic system, makes this system more efficient and has much better TCO (Total Cost of Ownership) tyhan previous versions

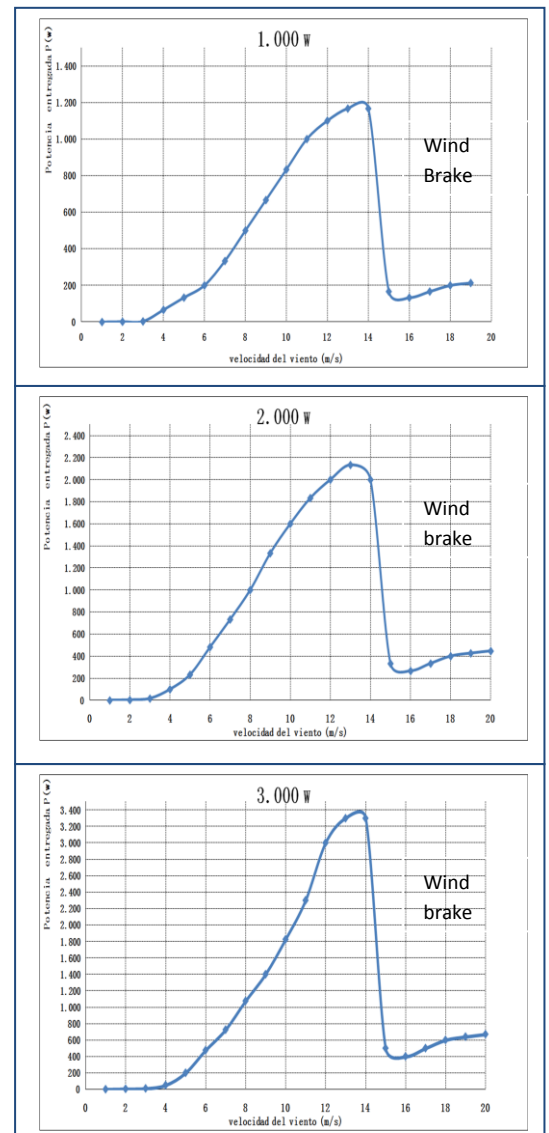
They can be installed for off-grid connection (alone or with a PV solar system) or grid connected and it's system expected performance and annual energy generation has to be calculated by professionals, considering each particular site conditions.

Solener delivers full solution with the Wind generator, including battery controllers, braking systems, off-grid inverters or grid.-tie inverters and towers of different heights

Technical specifications

Nominal Power (w)	1.000	2.000	3.000
Applications	Battery charge or grid connection		
Propeller	Horizontal axis rotor		
# of Blades	3		
Lenght of blades (mm)	1.200	1.400	1.780 / 2.000
Max blade width	125	125	125 / 180
Maximun diameter	2.430	2.830	3.590 / 4.030
Blade compound	carbon fiber, glassfiber & epoxy		
Turn	anti clockwise		
Taper (degree)	3		
Orientation	Weather Vane		
Generator			
External body	Glass fiber & epoxy		
Rotor	Permanent magnets		
Magnets	Neodymium	Neodymium	Neodymium
# of poles	16	18	24
Stator			
# of coils	48	54	72
Electrical			
Voltage	variable AC		
Type	triphas		
Configuration	Star		
Nominal power	1.000	2.000	3.000
R.P.M. for nominal power	450		
Regulation	centrifuge		
Wind speeds			
Start	2,5		
Nominal power	11	11,5	11,5
Automatic wind brake	14		
Max wind speed	25		
Physical dimensions			
Lenght (mm)	1.740	2.050	2.166
External diameter	300	320	420
Weight (Kgrs)	110	130	150

All specifications can be modified without prior advice as there can be improvements on desi. Depending on the specific local characteristics there can be design modifications on demand



More than 30 years of experience on Mini-Wind

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(+ 34) 915 050 062 – <http://www.solener.com>

Proprietary technology and patents on electronics and designs. Tested on wind tunnel.

For towers, electronics solutions and more information, please contact us.