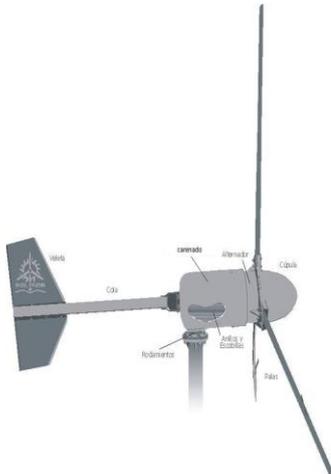


Solener Wind Generator 2010

Series: 5.000 - 10.000 – 15.000



The new Solener Wind Generator family of 5kW, 10kW & 15kW has been updated with new RD developments in battery control electronics, 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, make this system more efficient and with a much better TCO (Total Cost of Ownership) than previous models.

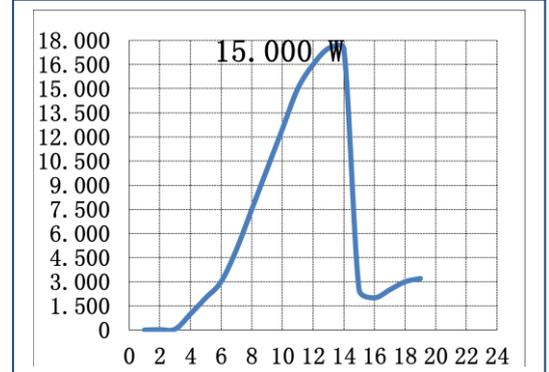
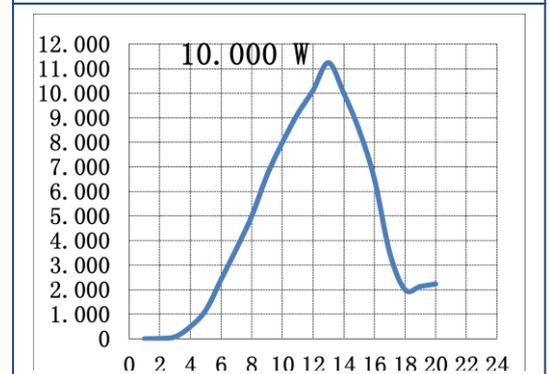
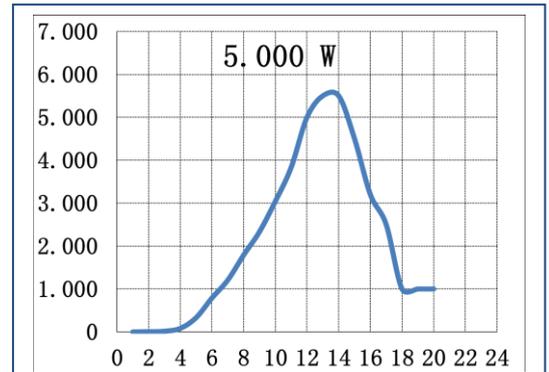
They can be installed for off-grid connection (alone or with a PV solar system) or grid connected and it's system expected performance and annual energy generation has to be calculated by professionals, considering each particular site.

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)	5.000	10.000	15.000
Applications	Battery charge or grid connection		
Propeller	Horizontal axis rotor		
# of Blades	3		
Lenght of blades (mm)	2.000	3.000	3.500
Max blade width	180	210	240
Maximun diameter	4.400	6.400	7.400
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	24	24	38
Stator			
# of coils	72	72	114
Electrical			
Voltage	variable AC		
Type	triphas		
Configuration	Star		
Nominal power	5.000	10.000	15.000
R.P.M. for nominal power			
Regulation	centrifuge		
Wind speeds			
Start	3		
Nominal power	11	12	13
Automatic wind brake	14		
Max wind speed	25		
Physical dimensions			
Lenght (mm)	1.467	1.467	1.750
External diameter			
Weight (Kgrs)	150	180	300

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



More than 30 years of experience on Mini-Wind

Soluciones Energéticas, S.A.

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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.