



Model: RS-PCWT-10KW

Applicable scenarios



Telecom



Off Grid





Oil & Gas



Micro Grid



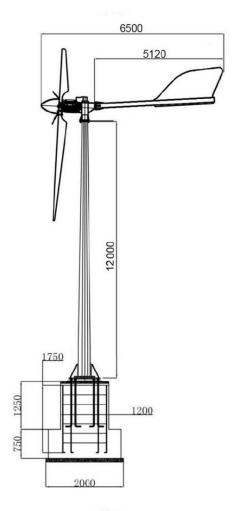
Island Power

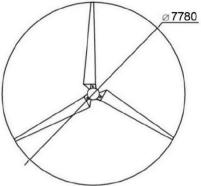
Advantages

- 30%) More energy output
- 3-5 Return on Investment
- (30_{m/s}) Max working wind speed
- 60_{m/s} Safety wind speed
- UL IEC61400-2/IEC61400-12 Veritfield wind farm test report

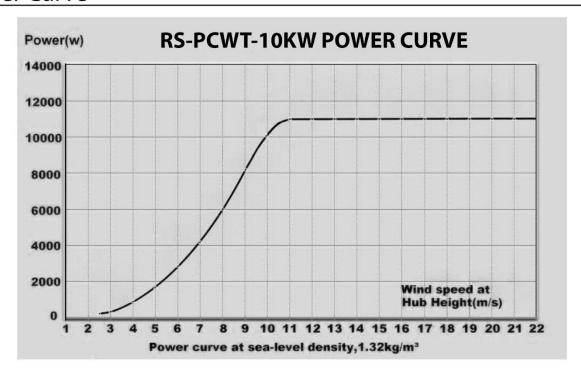
Technical specification

Model	RS-PCWT-10KW
Perfomance	
Rated Power	10KW
Max Power	12KW
Start Wind Speed	2.5m/s (5.59mph)
Rated Wind Speed	10m/s(22.37mph)
Working Wind Speed	3-30m/s (6.71-67.2 mph)
Safety Wind Speed	60m/s(133.8mph)
Physical Parameters	
Blades Length	3.6M(11.8ft)
Blades Rotor Diameter	7.78M(25.2ft)
Blades Material &Quantity	FRP /3PCS
Mill Weight	550kg
Swept Area	47.5 m²
Tower Height	≥12m,Hot dip galvanized
Generator Parameters	
Rated Speed	180 RPM
Rated Working voltage	DC400V
Start Torque	<0.3N.M
Generator Type	Three-phase permanent AC magnet generator
Wind Answering Method	Up wind+yawing
Stop Method	Pitch brake + active yaw
Speed Mode	Pitch + active yaw + electromagnetic brake
Protection Grade	IP54
Working Temperature	-20+50 ℃
Life time	20 Years





Power Curve



Annual Energy Production

Production (kWH)	2920	7300	13140	21900	32120	43800	58400
Annual Wind Speed(m/s)	3	4	5	6	7	8	9

This data will have ±10% difference according to local condition.

Sound Data

<u>Test position: At 15m away from generator (average value of 3 points-rears, left, right)</u>

Wind Speed (m/s)	3	4	5	6	7	8	9	10	11
Sound(dB)	1.35	3.08	6.22	9.45	13.44	22.09	32.55	36.45	37.22
Wind Speed (m/s)	12	13	14	15	16	17	18	19	20
Sound(dB)	45.33	45.22	45.33	45.43	45.54	45.66	45.76	45.85	46.00

Note: The sound value includes wind noise.

Using the world's leading mechanical centrifugal variable pitch technology, the average annual power generation is 30% more.

★Excellent

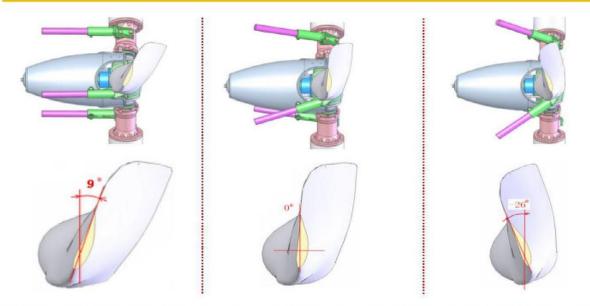
Large initial blade angle (+9 °), excellent acceleration performance, start at low wind speed of 2.5m/s;

★Efficiently

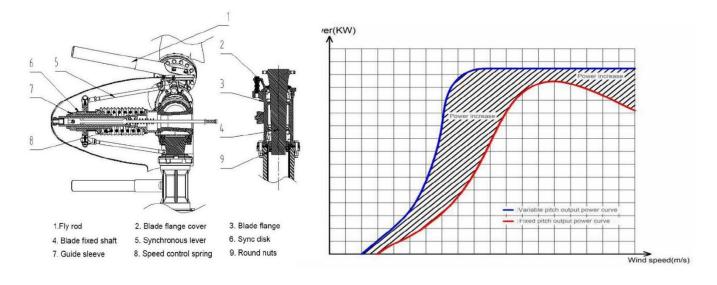
Below the rated wind speed, the wind turbine outputs efficiently;

★Stable

Above the rated wind speed, adjust the pitch angle so that the rotor speed is maintained near the rated speed and the power output is stable.



The use of variable pitch technology has greatly improved the efficiency of wind turbine power generation, The graph of increased power is shown below:



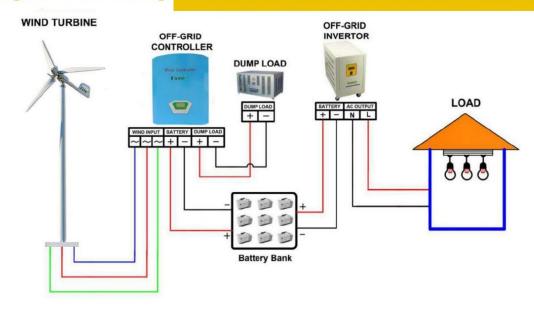
Power Curve Tracking Function

- For off-grid system –Marching MPPT Charge controller
- For on-grid system –Marching MPPT Wind Invertor
- Wind turbine MPPT track point adjustable by yourself.
- Off-grid system wind turbine low cut in wind speed charge.
- Complete protection function.
- Several functions are optional, such as PV control function, wind speed measure function, rotational speed control function and temperature compensation function.
- RS232/RS485/RJ45/GPRS/WIFI/Bluetooth/Zigbee optional. (It can be monitored by app for those with GPRS/WIFI/Bluetooth/RJ45 connection).



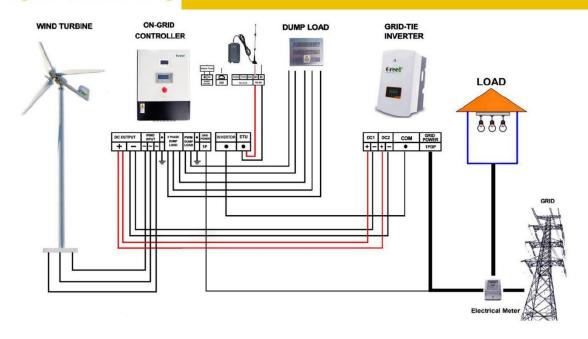
ROCKSOLAR

OFF GRID WIND POWER GENERATOR SYSTEM



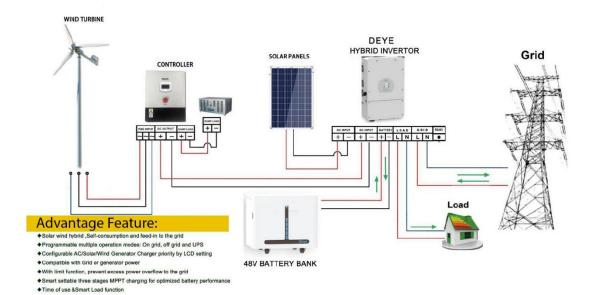
ROCKSOLAR

GRID TIED SYSTEM WIRING DIAGRAM





HYBRID SYSTEM SOLUTION



Wind turbine installation process and engineering display











Why Choose ROCKSOLAR?

★Bureau ,SGS,TUV, Intertek verified Gold Plus Supplier



★Top 3 suppliers of generators products with all 5 star feedback on alibaba.com





★7days*24hours on time service.





★One stop customized system solution

★Trade experience with more than 60 countries



★CE ,RoHS certificated





★Support safe payment through Alibaba trade assurance,

★ Products quality and on time delivery are guaranteed by alibaba.com



