

## Solar&Wind Hybrid System

### System Description

A solar and wind hybrid system is a perfect choice to exploit both sun and wind resources at your place. You might be worried that there is long winter or frequent rainy days or uncontinuous wind in your region, but a hybrid system could just solve your concerns, it brings you with a good solution for providing a balanced supply of power throughout the seasons and to take various climates. We could design the optimal hybrid system for you based on your local sun and wind resources, and provide you with a whole packaged system. It, in practical, could let you enjoy easily the great benefits from mother nature, and no much maintenance is needed.



### Applications

- Village power (basic necessity)
- Resorts / hotels / back packers power supply
- Schools
- Health centers & Nursing stations
- Rural government stations
- Refrigeration
- Telecommunication

**Technical Specification**

Item	Name	Description
<b>Components</b>	Wind Turbine	1000W24V 3 phases vertical wind generator
	Solar Panel	1000W Solar Panel
	Solar&Wind Hybrid Controller	DC24V30A wind&solar hybrid controller
	Inverter	2000VA sine wave inverter
	Battery	8 pieces of 12V150Ah gel battery
	Solar Brackets	Ground Installation/Rooftop Installation
	Guyed cable Pole	6m(2*3m)guyed cables with accessory
<b>System Specification</b>	System Voltage	24Vdc
	PV Chrage Current	30A
	Rated Output Capacity	2000VA
	Output Voltage	220V/110V
	Output Frequency	50Hz/60Hz
	System Efficiency	>90%
	Average electricity output/day	<b>9kwh</b> (estimated under 5 valid sunlight hours,with wind speed of 5m/s)
<b>Packing Details</b>	wind turbine	720*380*490mm/55kgs
	Blades	1600*240*210mm/21kgs
	solar panel	(1581*809*35mm)*6/16kgs*6
	Solar&Wind Hybrid Controller	490*470*220mm/12kgs
	Inverter	500*325*430mm/26kgs
	Battery	(240*532*207mm)*8/47kgs*8
	Solar Brackets	depending
	Guyed cable Pole	3040*320*210mm/71kgs
	Accessory	610*480*240mm/33kgs