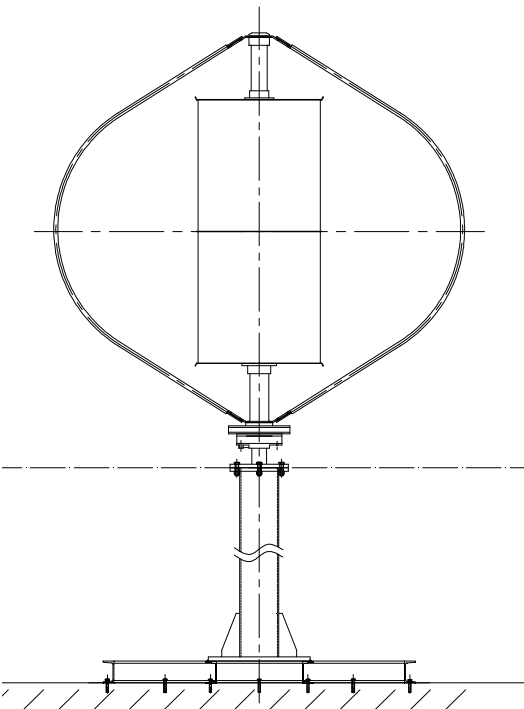
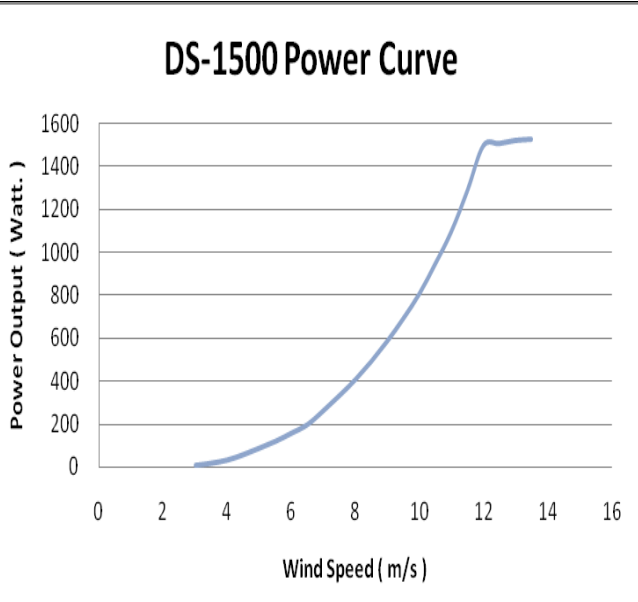
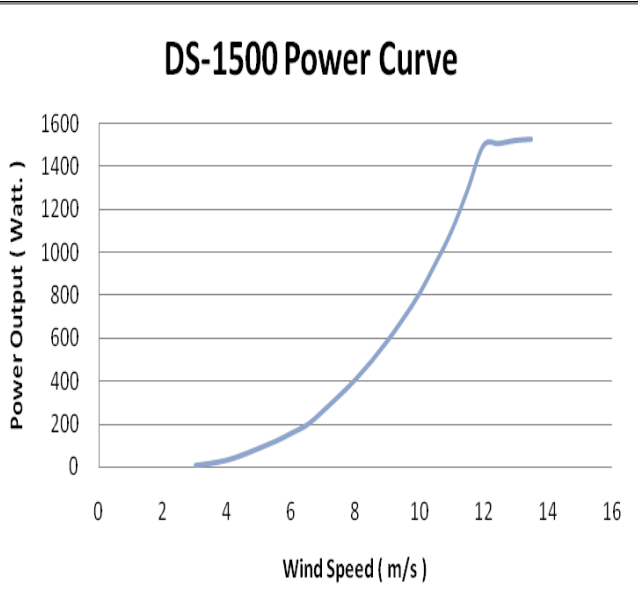






Vertical Axis Wind Turbine Model DS1500

General Specifications			
Rated Power	1.5kW	Rated Wind Speed	12 m/s
Rated Speed	250 rpm	Cut in Wind Speed	<3 m/s
Cut out Wind Speed	15 m/s	Survival Wind Speed	60 m/s
Dimensions/Weight			
Rotor Diameter	2.8m		
Rotor Height	2.9m		
Tower Height	2m		
Total Height	4.9m		
Turbine Weight	380kg w/o tower		
Rotor Specifications			
External Darrieus	3 Blades		
Internal Savonius	2 layers		
Blade Material	Anodized Aluminum		
Axis Material	Galvanized Steel SS400		
Generator Specifications		Power Curve	
Generator Type	AC, 3phase, Synchronism PMG	DS-1500 Power Curve Power Output (Watt.) vs Wind Speed (m/s)	
Rated Output	1.5kW		
Braking System			
Automatic	Automatic dump-load and 3-phase short circuit braking system		
Manual	Mechanical Drum Brake		
Operating Conditions			
Ambient Temperature	-10~40 °C		
Ambient Humidity	95% max.		

Product Specifications

Controller	Stand-alone(WD152)	Grid-tied(WT21500)
Made in Taiwan		
Optional Controller	N/A	PVI-6000
Made in Italy		

Note:

- All systems are CE certified.
- The grid-tied inverter model WT21500 is VDE0126 approved.
- US market must use the PVI-6000 until the WT21500 receives UL1741 approval; unit is currently in the process of approval.
- Inverter specifications available upon request.

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