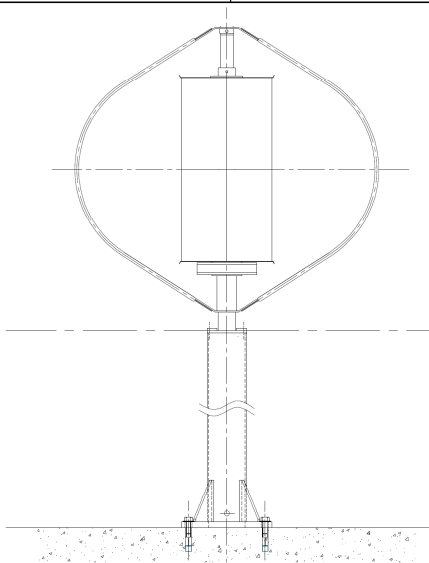
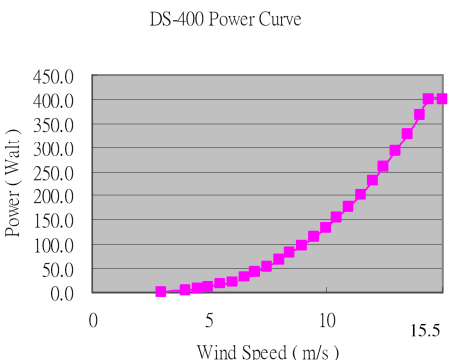


Vertical Axis Wind Turbine Power System Model: DS400

PRODUCT SPECIFICATIONS

General Specifications			
Rated Power	400W	Rated Wind Speed	15 m/s
Rated Speed	835 rpm	Cut in Wind Speed	<3 m/s
Cut out Wind Speed	15.5 m/s	Survival Wind Speed	60 m/s
Dimensions/Weight			
Rotor Diameter	1.06m		
Rotor Height	1m		
Pole Height (Option)	2 meter height Minimum recommended		
Turbine Weight	30kg		
Rotor Specifications			
External Darrieus	3 Blades		
Internal Savonius	2 layers		
Blades Material	Anodized Aluminum		
Axis Material	Galvanized Steel SS400		
Generator Specifications		Power Curve	
Generator Type	AC, 3phase, Coreless, Synchronism PMG	<p style="text-align: center;">DS-400 Power Curve</p>	
Rated Output	400W		
Braking System			
Automatic	Over speed short circuit braking system		
Operation Conditions			
Ambient Temperature	-10~40°C		
Ambient Humidity	95% max.		



Vertical Axis Wind Turbine Power System Model: DS400

PRODUCT SPECIFICATIONS

Wind Power/Solar power Hybrid Control System Specifications	
Output	12VDC
Functions	Maximum power tracking control, over speed braking control, battery charge control
Battery (Option)	12V DC (12V 100Ah x 1), Deep Cycle Lead Acid Battery, Gel type
Charge Control	10.7 ~ 13.8 V DC
LCD Display	Input voltage/current of wind power & PV ; Loading voltage/current
LED Display	ON/OFF wind charging/PV charging/battery on/battery low/load output
THD	<3%