




Vertical Axis Wind Turbine Power System Model: DS300

General Specifications			
Rated Power	300W	Rated Wind Speed	13.5 m/s
Rated Speed	750 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 (A)	1.25m		
Total Height (B)	1.06m		
Tower Height (Option)	3 meter height minimum recommended		
Turbine Weight	25kg		
Rotor Specifications			
External Darrius	3 Blades		
Internal Savonius	2 layers		
Blades Material	Anodized Aluminum		
Rotor Axis Material	Anodized Aluminum		
Generator Specifications			
Generator Type	AC, 3phase, Synchronism PMG		
Rated Output	300W		
Braking System			
Automatic	Over speed short circuit brake control		
Manual	Electronic Switch Type		
System Operation Conditions			
Ambient Temperature	-10~40°C		
Ambient Humidity	95% max.		



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Specifications Of Charge Controller	
	
Model	MAX-630
Output	24VDC / 12VDC
Functions	<ul style="list-style-type: none"> ● Hybrid charger (Wind 400W, PV 250W) ● Solar panel specification for 24VDC system <ol style="list-style-type: none"> 1. Open circuit voltage : 38Vdc ~ 45Vdc 2. Rated current :10A ● Solar panel specification for 12VDC system <ol style="list-style-type: none"> 1. Open circuit voltage : 19Vdc ~ 22Vdc 2. Rated current: 10A ● MPPT (Wind) , PWM (PV) ● Auto Brake control ● Charge / Discharge management ● States indicator ● TTL232 / RS485 (option) communication port
Battery (Option)	12V 100Ah x 2 Deep Cycle Battery or LFP Battery
Protection	LVP / OVP / OCP / OLP / OSP / OTP / ILP
LED display	Wind / Solar / Battery / load data information
Certification	CE
Dimension	17.5 x 14.8 x 8.4 cm