



VERTICAL AXIS SMALL WIND TURBINE MODEL NO.: DS700

PRODUCT SPECIFICATION

General Specification			
Rated Power	700w	Rated wind speed	12 m/s
Rated rpm	405 rpm	Cut-in wind speed	<3m/s
Cut-out	15m/s	Survivor wind speed	60m/s
Wind turbine specification			
Rotor Diameter(A)	1.93m		
Total Height (B)	1.60m		
Tower Height (Option)	3 meter height minimum recommended		
Turbine Weight	60kg		
External Darrieus	3 blades		
Internal Savonius	2 layer		
Blades material	Anodized Aluminum		
Rotor Axis material	Anodized Aluminum		
Generator Specification			
Type	AC, 3phase, Synchronism PMG		
Rated power	700W		
Brake 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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GRID TIED SYSYEM

Specifications of Control Cabinet	
Functions	<ul style="list-style-type: none">● Auto Brake control● Manual Brake● Induction Lightning protection
Dimension	91 x 61 x 21.5 cm


Specifications of Inverter	
	
Model	GCI-2.5K-2G-W
Output	180~270Vac , 50/60Hz, split phase
Rated power	2500W
Functions	<ul style="list-style-type: none">● MPPT● States indicator● RS485 / WIFI(option) / GPRS(option) communication port● IP65
Protection	Islanding protection , DC reverse – polarity protection , AC short circuit protection , over temperature protection
LCD display	Input and Output states
Certification	UL 1741 / G83/2 / AS4777 / VDE 0126-1-1
Dimension	33.9 x 56.5 x 17.25 cm



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OFF GRID SYSTEM

Specifications of Charger Controller	
	
Model	MAX-1500
Output	48Vdc
Functions	<ul style="list-style-type: none">● Hybrid Charger (Wind 1000W , PV 1000W)● MPPT (Wind) , PWM (PV)● Auto Brake control● States indicator● RS485 communication port
Battery(Option)	12Vdc 100Ah x4 Deep Cycle Battery or LFP Battery
Protection	OVP / OCP / OSP / ILP
LED display	Wind / PV / Battery states
Certification	CE
Dimension	40 x 30 x 20 cm