



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 Continuously < 3s
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		Power Curve	
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.		



VERTICAL AXIS SMALL WIND TURBINE MODEL NO.: DS700

PRODUCT SPECIFICATION

Controller Specification		
Type	Off Grid	On Grid
Rated Power	>700W	
Function	MPPT, Charging management, Brake control ,RS485	MPPT, RS485
Protection	OSP, LVP, OCP, OVP and OTP	DC reverse polarity, AC short circuit, OTP and Anti Islanding
LCD Display	Input and Output status	
Battery (Optional)	12VDC 100Ah x4, deep cycle type	X
Control Cabinet		
Control Cabinet	X	V
Automatic Dump		V
Automatic Brake		V
Manual Dump		V
Manual Brake		V
Dimension		60 x 60 x18 cm