







Small Vertical axis wind turbine 3000W Model DS3000 on-grid connection

Etneo introduces the small wind turbines with vertical axis made with its partners in Taiwan, nicknamed the land of typhoons. Tests conducted in test fields, the wind tunnel laboratories such as TUV NEL (UK) NREL (USA), Windtest KAISER (Germany), MIRDC (TAIWAN institute for testing of micro wind turbines) the active installations for some years up to today provide excellent production capacity, solving all the problems of the horizontal ones, noise from vibration or all the power losses due to the need to orientate the rotor to the wind.

Our turbines are working on two principles: Savonius or inside blades with nozzles oriented on the 4 cardinal points, always ready to capture the wind, very useful at the start of rotation of generator the wind with low winds. Darrieus or outer blades that allows the turbine to work very well with turbulence or strong winds. Our products are ideal for grid connection with ABB inverter and energy storage systems with photovoltaic modules to ensure a larger capacity of the whole storage solution.



















Small Vertical axis wind turbine 3000W Model DS3000 on-grid connection

PRODUCT SPECIFICATIONS

			General S	pecifications		
Rated Power		3k	W	Rated Wind Speed	12 m/s	
Rated Speed		23	0 rpm	Cut in Wind Speed	<3 m/s	
Cut out Wind Speed		d 15	m/s	Survival Wind Speed	60 m/s	
Dimensions/Weight			/Weight			
Rotor Diameter 4		4m		E 9 1 4 m		
Rotor Height 4		4.2m				
Tower Height 4		4 m ((minimum)			
Total Height 8		8.2m	(minimum)			
Turbine Weight 6		680k	g w/o tower	Top View		
Rotor Specifications			ications	Side View		
External Darrieus		3 bla	ades			
Internal Savonius		2 layers				
Blades Material		Anodized aluminum				
Axis Material		Galv	anized steel SS400			
Generator Specifications			cifications	Power Curve		
Generator Type		AC, 3phase, Synchronism PMG 3kW		DS-3000 Power Curve		
Rated Output 3				3000		
Braking Syste				2500 Ag		
			ımp-load and	1500 (## 2500 1500		
Automatic	3-phase system	nase short circuit braking				
Manual	Tax as area o	ical d	drum brake	500		
Operation Conditions				0 2 4 6 Win	8 10 12 14 16 nd Speed (m/s)	
Ambient Temperature -10			-10~40℃			
	umidity		95% max.]		









Small Vertical axis wind turbine 3000W Model DS3000 on-grid connection

