



Spec sheet Home Energy Energy Ball® V100

Name	EnergyBall®	
Type	V100	
Power		
Rated power at 10 m/s	100	Watt
Maximum power at 14 m/s	500	Watt
Cut in wind speed	2	m/s
Cut out wind speed	none	m/s
Survival wind speed	< 40	m/s
Dimensions		
Rotor diameter	1,1	meter
Rotor weight	30	kg
Rotor surface	1	square meter
Rotor volume	1	cubic meter
Total turbine height	1,3	meter
Height of mast	9 or 11	meter
Generator		
Type	Permanent	Neodium magnet
Number of poles	12	
Number of phases	3	
Other information		
Maximum rotation speed at 40 m/s	2100	rpm
Transmission	None	Direct driven, no gearbox needed
Brake system	Electrical	
Number of blades	6	
Blades material	Reinforced Glass Fibre Polyester	
Output voltage	230	V
Output frequency	50	Hz
Minimum operation temperature	-25	°C
Maximum operation temperature	50	°C
Acoustic level	Not audible	
Minimum lifetime	25	years
Starting procedure	None	Self starting
Yaw control system	None	Yaws itself in the wind



Your choice