Home Energy Americas, LLC
1505 Mercury Circle Suite 100
McKinney, TX 75071
www.homeenergyamericas.com

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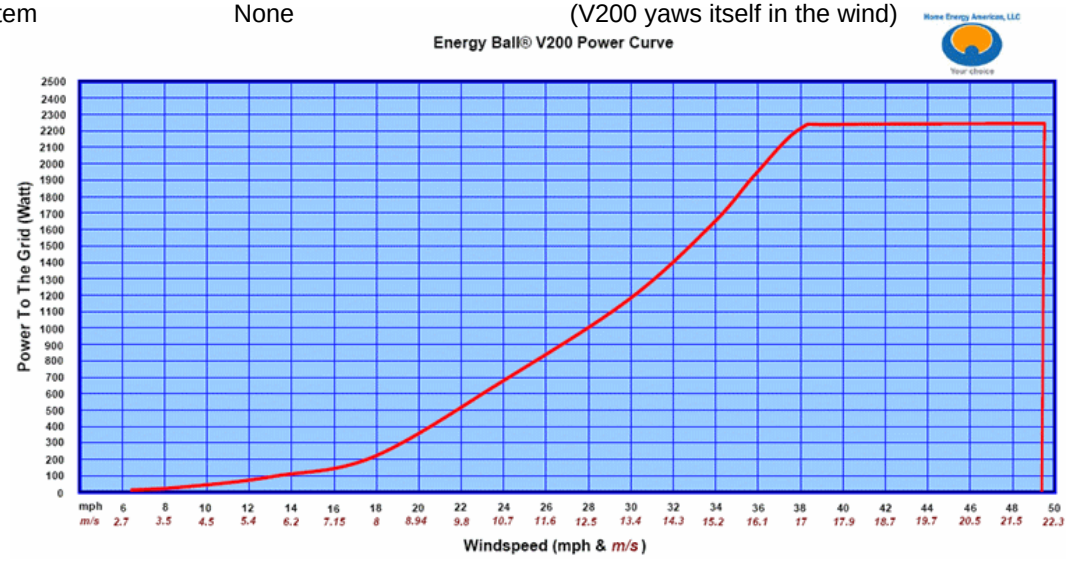
HEA Energy Ball® V200 Specification Sheet

Name	Energy Ball®	**Metric**
Type	V200	
Power		
Maximum power	2500 W	2500 W
Cut in wind speed	6.7 mph	3 m/s
Survival wind speed	90 mph	40 m/s
Dimensions		
Rotor diameter	6.5 ft	1.98 meters
Rotor weight	198 lbs	90 kg
Rotor surface	40.9 ft^2	3.8 square meters
Height of mast	40 – 50 ft	12 or 15 meter (incl.V200)
Generator		
Type	Permanent Neodymium Magnet	
Number of poles	12	
Number of phases	3	
Other information		
Maximum rotation speed at 40 m/s	700 rpm	
Transmission	None	Direct driven, no gearbox needed
Brake system	Electrical	
Number of blades	5	
Blades material	Reinforced Glass Fiber Polyester	
Output voltage	120 V	230 V
Output frequency	60 Hz	50 Hz
Minimum operation temperature	-13° F	-25° C
Maximum operation temperature	122° F	50° C
Acoustic level	Below discernable background noise	
Minimum lifetime	> 15	years
Starting procedure	None	(V200 is self starting)
Yaw control system	None	(V200 yaws itself in the wind)



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HEA Energy Ball® V100 Specification Sheet

Name	Energy Ball®	**Metric**
Type	V100	
Power		
Maximum power	500 W	500 W
Cut in wind speed	4.5 mph	2 m/s
Survival wind speed	90 mph	40 m/s
Dimensions		
Rotor diameter	3.6 ft	1.1 meters
Rotor weight	66 lbs	30 kg
Rotor surface	10.76 ft^2	1 square meters
Height of mast	30 - 36 ft	9 or 11 meter (incl.V100)
Generator		
Type	Permanent Neodymium 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 Fiber Polyester	
Output voltage	120 V	230 V
Output frequency	60 Hz	50 Hz
Minimum operation temperature	-13° F	-25° C
Maximum operation temperature	122° F	50° C
Acoustic level	Below discernable background noise	
Minimum lifetime	25	years
Starting procedure	None	(V100 is self starting)
Yaw control system	None	(V100 yaws itself in the wind)