



HYBRID POWER SYSTEMS P/L
ENGINEERED POWER SYSTEMS

ALTERNATIVE ENERGY SOLUTIONS
SOLAR, WIND, GENERATORS, TRANSFORMERS

SPECIFICATION SHEET

500W WIND TURBINE



| Model | TGVAWT-500W |
|------------------------|--|
| Start-up wind speed | 0.9m/s (actual measured) |
| Generating electricity | 2.0m/s |
| Rated wind speed | 10.5 m/s |
| Subsistence wind speed | 35.0 m/s |
| Generator From | Disc coreless permanent magnetism generators |
| Rated Speed | 200rpm |
| Wind Efficiency | 0.4 |
| Weight | About 40kg |
| Blades material | Steel |
| Blades Diameter | 1.0m |
| Blades Height | 1.2m |
| Rated Power | 500W |
| Warranty | 1 year |
| Remarks | Including generator and blades Without controller (System must use STEP-down controller) |



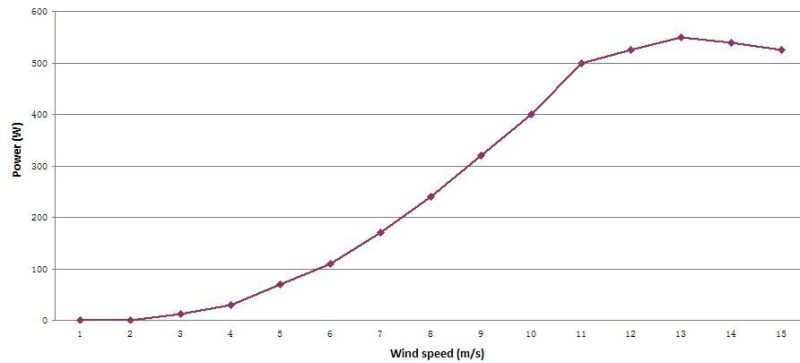
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GENERATOR PART:

Our disc coreless PMG have advantage in low Rated speed, Low starting wind speed, Small volume, Energy Small, Light weight, Compact structure, High efficiency etc.

- 1) Coreless, anhysteresis, slotless, have low starting torque.
- 2) No iron loss, have high efficiency
- 3) Adopt unique coreless precision winding technology design precision coil
- 4) Adopt the rare earth permanent magnet, which is multipole, mean gap, high power density and high output power.
- 5) Low speed direct driving, no torque fluctuations
- 6) Compact structure, high ratio of power to volume
- 7) No iron loss, low calorific value, small temperature rise
- 8) Simple structure, easy to install
- 9) The brushless structure, free maintenance

