



ARIS WIND

community ■ sustainability ■ humanity



Total Energy Solution (TES) Grid-Tied Power Generation

*Aris Renewable Energy, LLC
506 South 9th Avenue
Mount Vernon, NY 10550*

914-663-2747

Visit us: www.ariswind.com



TES SPECIFICATIONS AND POWER CURVE

WIND ENERGY (Permanent Magnet Generator)	
Rated Wind Speed	6.5 m/s
Cut In Wind Speed	2 m/s
Cut Out Wind Speed	15 m/s
Survival Wind Speed	52.5 m/s (gust)
Rated RPM	140
Rotor MAX RPM	170 RPM
Peak Power	6000 W

EC 61400-2 SWT Class	Class III
Rotor Diameter	Main 8.0 m - Central 2.7m
Blade Length	3.3m - 1.2 m
Blade Material	Glass-filled Epoxy
Rotor Material	Polycarbonate
Tower Type	Tubular Galvanized & Painted
Hub Height	10 m
Assembled Weight	750 kg
Generator Type	PMG
Invertor Model	Ginlong / ABB Power One
Power Generation	Single, Split and 3 Phase
Grid Connection Options	Grid Tied
Invertor Specifications & Certificates	G83
Yaw	Active
Method of Speed Control/Braking	Yaw out of Wind / Energized Brake
Brake System Type	Electro Mechanical

INDICATIVE POWER CURVE TES 6kW

