

COMPARISON

Parameter	LW Drag Turbines	Lift-Type Turbines
● Cut-In Wind Speed	● 3-5 MPH	● 6-8 MPH
● Rated Speed	● 12 MPH	● Above 25
● Cut-Out Wind Speed	● 35 MPH	● Varies ~ above 30
● Operating Locations	● ~90% of earth's land mass with prevailing winds above 5 MPH	● ~10% of earths' land mass with prevailing winds of 15 MPH
● Warranty	● 50 Years	● 5 Years
● Controls – Yaw & Pitch	● No Yaw & Pitch - Automatic	● Yaw & Pitch
● Projected Life Span	● 50 + Years	● ~20 Years
● Materials – Tower	● Standard Towers	● Standard Towers
● Materials - Rotor	● Galvanized Sheet Steel	● State-of-the-art Materials
● Manufacturability	● Worldwide - Standard Machine Shop skills	● Limited to locations with State-of-the-art skills
● Distributed Energy Sites	● USA – 100 KW ~ 3 million USA – 10 – 50 KW ~ 1 million Worldwide ~ 6 million	● Worldwide ~ one million
● Replace Aging Lift Turbines	● Large re-Powering Market	● Large re-Powering Market
● Cost/KWH	● At 12 MPH, with no subsidies the cost/KWH =~ One Cent	● At 12 MPH, with subsidies the cost/KWH =~ Eight Cents