

Wind turbine with a vertical axis features vertically oriented blades connected to the vertical axis by a traverse beam, with the axis hinged to a stationary block. The blades are shaped like vertical wedges with a rounded tip and a tip angle of 28° - 32° ; they are rigidly secured to the traverse beam with their tips facing the airflow in a feather at an angle of 15° - 20° to the perpendicular of the traverse beam.