

WIND POWER GENERATION SCALE

Operational Reference Chart

CONDITION	M/S	MPH	GENERATION STATUS
Cut-in Speed	3 - 4	7 - 9	Turbine starts rotating; minimum power output.
Moderate Breeze	5 - 8	11 - 18	Increasing efficiency; partial load.
Rated Speed	12 - 15	27 - 34	Maximum power capacity reached (Optimal).
High Wind	16 - 24	35 - 54	Power output capped; blades pitch to shed load.
Cut-out Speed	25+	56+	Automatic shutdown for structural protection.

Note: Values are generalized. Refer to specific turbine manufacturer specifications for precise operational thresholds.