

Falcon 5.5kW

Vertical Axis Wind Turbine (VAWT)



Suitable for any Application; Urban to Rural, Residential to Commercial, Industrial to Institutional

TECHNICAL SPECIFICATIONS :

Performance

Instantaneous Rated Power 5.5kW*
Rated Wind Speed 29 mph (13 m/s)
Cut-In Speed 6 mph (2.7 m/s)
Maximum Wind Speed 111 mph (49.6 m/s)

Annual Energy Production

Assuming Wind Capture 4,818 kWh - 19,270 kWh Annually*
10-40% of the Time at
Rated Speed

Physical Parameters

Size 13'1" (4m) Rotor Diameter X
15'1" (4.6m) Blade Length
Tower Height 18' (5.5m)
Gross Weight 2,167 lbs (985 kg) Excluding Tower

Noise Level

15 mph (6.7 m/s) 32 dB
@ 9' distance (3m)

Output Controller

Output Voltage (DC) 48V DC (Off Grid)
Output Voltage (DC) 110~400V DC
(Grid Connected)

Generator

Type Permanent Magnet Direct Drive
Rated Temperature -40°F to 239°F (-40°C to 115°C)

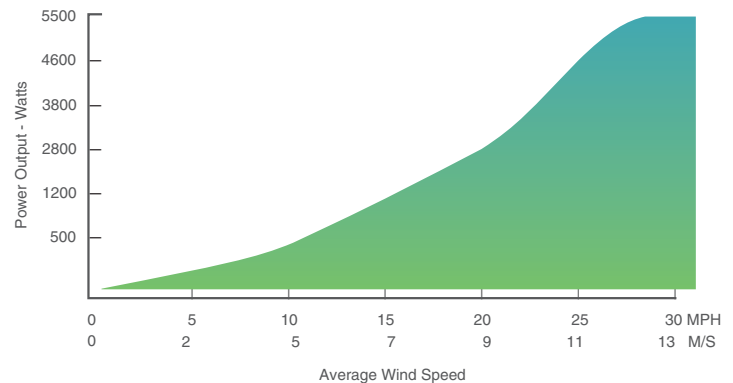
Grid Connected Inverter

Output (AC) 183~304V AC
The grid connected inverter is supplied to meet local grid specifications.

Electronic Overspeed Protection

Governed Speed Style Automatic Aerodynamic Variable Pitch
Secondary Brake Automatic Electromagnetic

5.5kW Power Curve



Fully Equipped for Grid Connection

Fully Eligible for 30% Federal + State
and Utility Incentives/Rebates**

Details at Department of Energy: www.dsireusa.org

Fully Eligible for Utility Company
Net Metering

www.WEPOWER.us
sales@wepower.us
866 385-WIND (9463)

California
Energy
Commission



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