

# Falcon 3.4kW

Vertical Axis Wind Turbine (VAWT)

WEPOWER™



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

## TECHNICAL SPECIFICATIONS :

### Performance

Instantaneous Rated Power	3.4kW*
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 2,978 kWh - 11,900 kWh Annually\*  
10-40% of the Time at  
Rated Speed

### Physical Parameters

Size	9'10" (3m) Rotor Diameter X 11'10" (3.6m) Blade Length
Tower Height	18' (5.5m)
Gross Weight	1,393 lbs (633 kg) Excluding Tower

### Noise Level

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

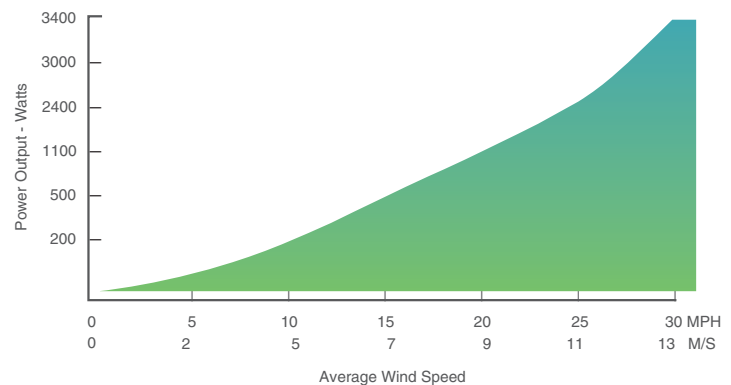
Output (AC)	183~304V AC
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The grid connected inverter is supplied to meet local grid specifications.

### Electronic Overspeed Protection

Governed Speed Style	Automatic Aerodynamic Variable Pitch
Secondary Brake	Automatic Electromagnetic

### 3.4kW 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](http://www.dsireusa.org)

Fully Eligible for Utility Company  
Net Metering

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California  
Energy  
Commission



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