



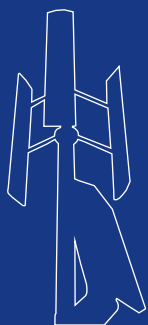
Vertical Wind Turbine Brochure

Aeolos wind turbine
SINCE 1986



Aeolos-V 300W
Aeolos-V 600W

AEOLOS



Aeolos-V
windturbinestar.com

Aeolos wind turbine
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V 300W Specification

Generator Type:	Three Phase Permanent Magnet
Rotor Height:	1.6 m (5.25 ft)
Rotor Width:	1.2 m (3.94 ft)
Blades Material:	Aluminum Alloy
Safety Control:	Electronic Dump Loading Blades Rotation Limitation 360 rpm

Performance

Rated Power:	300 W
Max Output Power:	400 W
Cut In Wind Speed:	1.5 m/s (3.35 mph)
Rated Wind Speed:	10 m/s (22.3 mph)
Survival Wind Speed:	50 m/s (111.5 mph)
Noise Level:	< 45 dB(A)

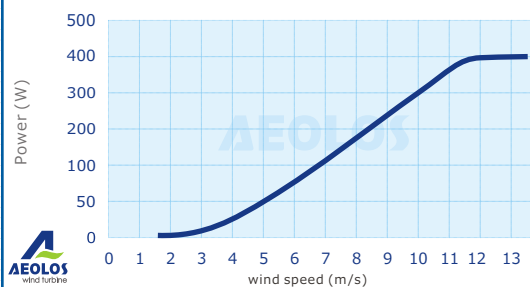
V 600W Specification

Generator Type:	Three Phase Permanent Magnet
Rotor Height:	1.8 m (5.91 ft)
Rotor Width:	1.6 m (5.25 ft)
Blade Material:	Aluminum Alloy
Safety Control:	Electronic Dump Loading Blades Rotation Limitation 360 rpm

Performance

Rated Power:	600 W
Max Output Power:	800 W
Cut In Wind Speed:	1.5 m/s (3.35 mph)
Rated Wind Speed:	10 m/s (22.3 mph)
Survival Wind Speed:	50 m/s (111.5 mph)
Noise Level:	< 45 dB(A)

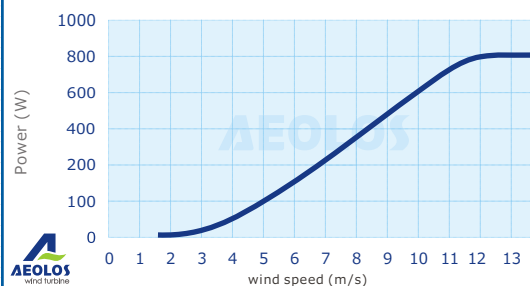
Aeolos-V 300W Power Curve



Aeolos-V 300W Wind Turbine Annual Energy Output

Wind Speed(m/s)	Annual Energy Output (kWh)	Wind Speed(m/s)	Annual Energy Output (kWh)
3 m/s	88 kWh	8 m/s	1576 kWh
4 m/s	227 kWh	9 m/s	2102 kWh
5 m/s	438 kWh	10 m/s	2628 kWh
6 m/s	683 kWh	11 m/s	3241 kWh
7 m/s	919 kWh	12 m/s	3504 kWh

Aeolos-V 600W Power Curve



Aeolos-V 600W Wind Turbine Annual Energy Output

Wind Speed(m/s)	Annual Energy Output (kWh)	Wind Speed(m/s)	Annual Energy Output (kWh)
3 m/s	131 kWh	8 m/s	3328 kWh
4 m/s	481 kWh	9 m/s	4292 kWh
5 m/s	876 kWh	10 m/s	5256 kWh
6 m/s	1401 kWh	11 m/s	6394 kWh
7 m/s	1752 kWh	12 m/s	7008 kWh



5 YEAR WARRANTY



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**Aeolos wind turbine
SINCE 1986**



Why Choose Aeolos-V 300W, 600W Wind Turbine?

Safety Protection

Special Blade Design: Aeolos-V blades use the aerodynamic design which limits the max rotating speed to 360 rpm even the wind speed is 30m/s or 40m/s. It is more safe and reliable than traditional vertical axis wind turbine.

PWM Dump Load: Aeolos-V controller use the PWM dump loading design. This will consume the over power output and control the voltage in strong wind speed.

High Efficiency

Low Start Up Wind Speed: Aeolos-V wind turbine could start up with 1.5m/s and has the power output in 2.5m/s to inverter. This is more efficient than the vertical wind turbines with a 3.5m/s or even 4.5m/s start up wind speed.

Out Rotor Generator: Aeolos patent out rotor generator is very efficient for the vertical wind turbine as the generator outside shell is directly connected with blades. The generator efficiency is more than 96%.

MPPT Charge Controller: Aeolos-V 300W and 600W wind turbine use 24V/48V MPPT charging controller to increase the charging efficiency to 94%. It can charge the battery bank when wind speed is above 3.0m/s.

