



Tumurly® Premium Wind Turbine Series

Tumurly offers affordable, **secure and sustainable energy** for the World that significantly **minimize carbon footprint.**

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Horizontal Series Wind Turbines

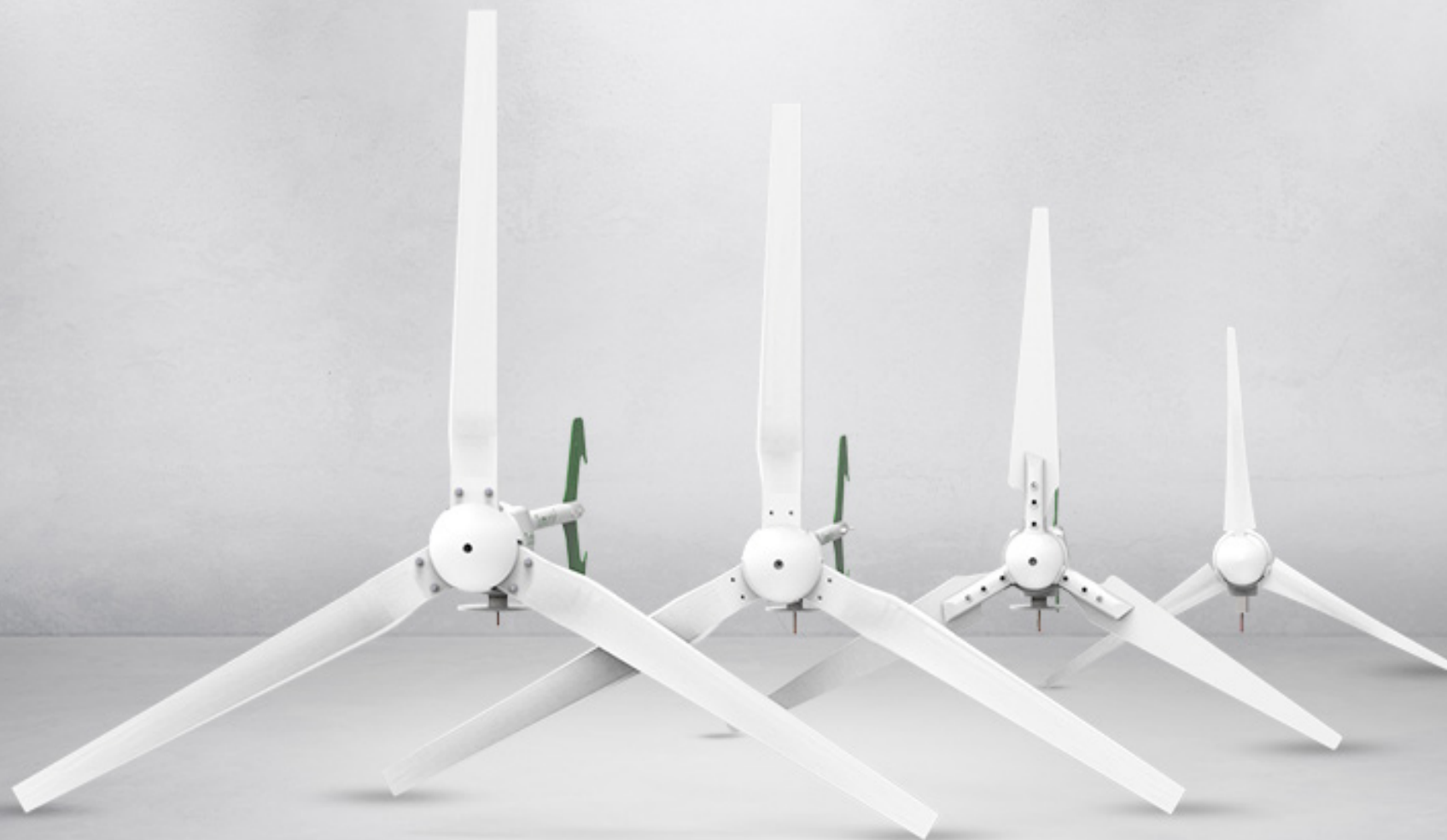
- Tumurly® Turbo600 Prestige
- Tumurly® Turbo1200 Prestige
- Tumurly® Turbo3300 Prestige
- Tumurly® Turbo5000 Prestige
- Tumurly® Turbo10.0 Prestige

Vertical Series Wind Turbines

- Tumurly® Vortex 1.0
- Tumurly® Vortex 3.0
- Tumurly® Vortex 5.0



Horizontal Series Wind Turbines



Tumurly®

Turbo600 Prestige

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

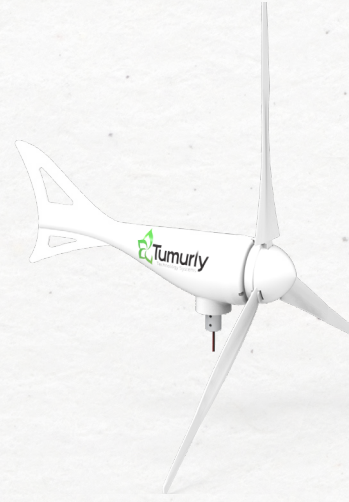
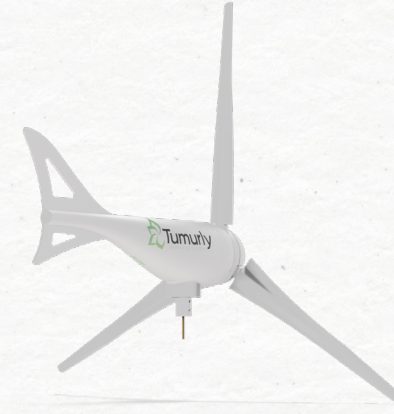
Application Voltages	12V/24V/48V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	600 W (at 15 m/s)
Type	3 blades, horizontal
Generator	Permanent magnet, brushless, gearless, maintenance free
Housing Material	Aluminium or Composit
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	15 kg
Max. Noise	50 dB
Life Expectancy	>30 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Blade Diameter	1,26 m
Swept Area	1,246 m ²
Blade Material	Fiberglass
Weight per rotor blade	200 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Charging wind speed	4 m/s
Max. RPM	700
Wind Tracking Direction	360°
Braking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

• Efficient • Durable • Reliable • Low-Noise • Sustainable



Tumurly® Turbo600 Prestige

Tumurly®

Turbo1200 Prestige

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

Application Voltages	12V/24V/48V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	1200 W (at 12 m/s)
Type	3 blades, horizontal
Generator	Permanent magnet, brushless, gearless, maintenance free
Housing Material	Aluminium or Composit
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	25 kg
Max. Noise	30 dB
Life Expectancy	>30 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Blade Diameter	1,880 m
Swept Area	2,77 m ²
Blade Material	100% Fiberglass
Weight per rotor blade	500 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Charging wind speed	4 m/s
Max. RPM	600
Wind Tracking Direction	360°
Braking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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Tumurly®

Turbo3300 Prestige

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

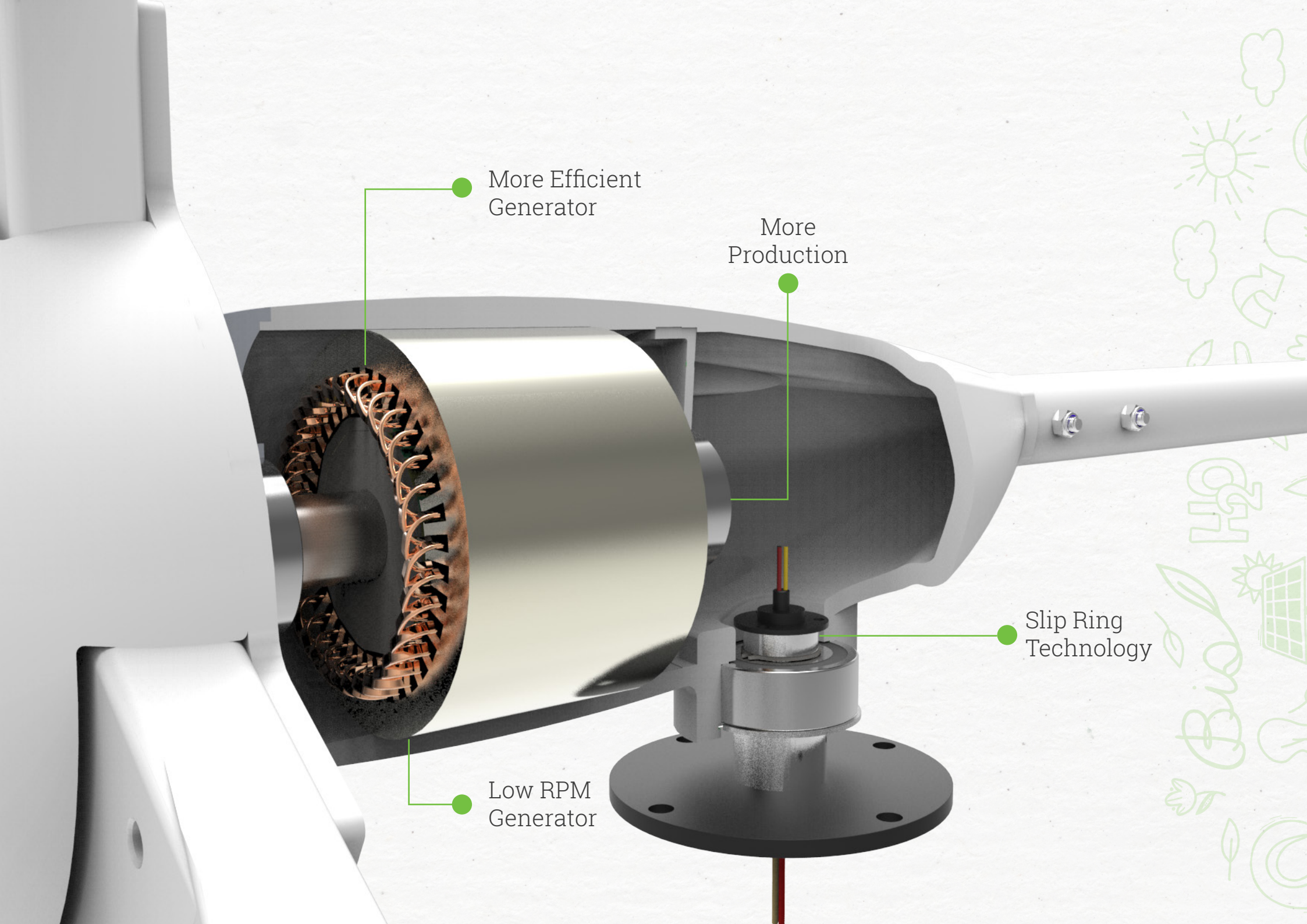
Application Voltages	24V/48V/96V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	3300 W (at 12 m/s)
Type	3 blades, horizontal
Generator	Permanent magnet, brushless, gearless, maintenance free
Housing Material	Aluminium or Composit
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	55 kg
Max. Noise	30 dB
Life Expectancy	>30 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Blade Diameter	2,457 m
Swept Area	4,739 m ²
Blade Material	100% Fiberglass
Weight per rotor blade	900 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Charging wind speed	4 m/s
Max. RPM	600
Wind Tracking Direction	360°
Braking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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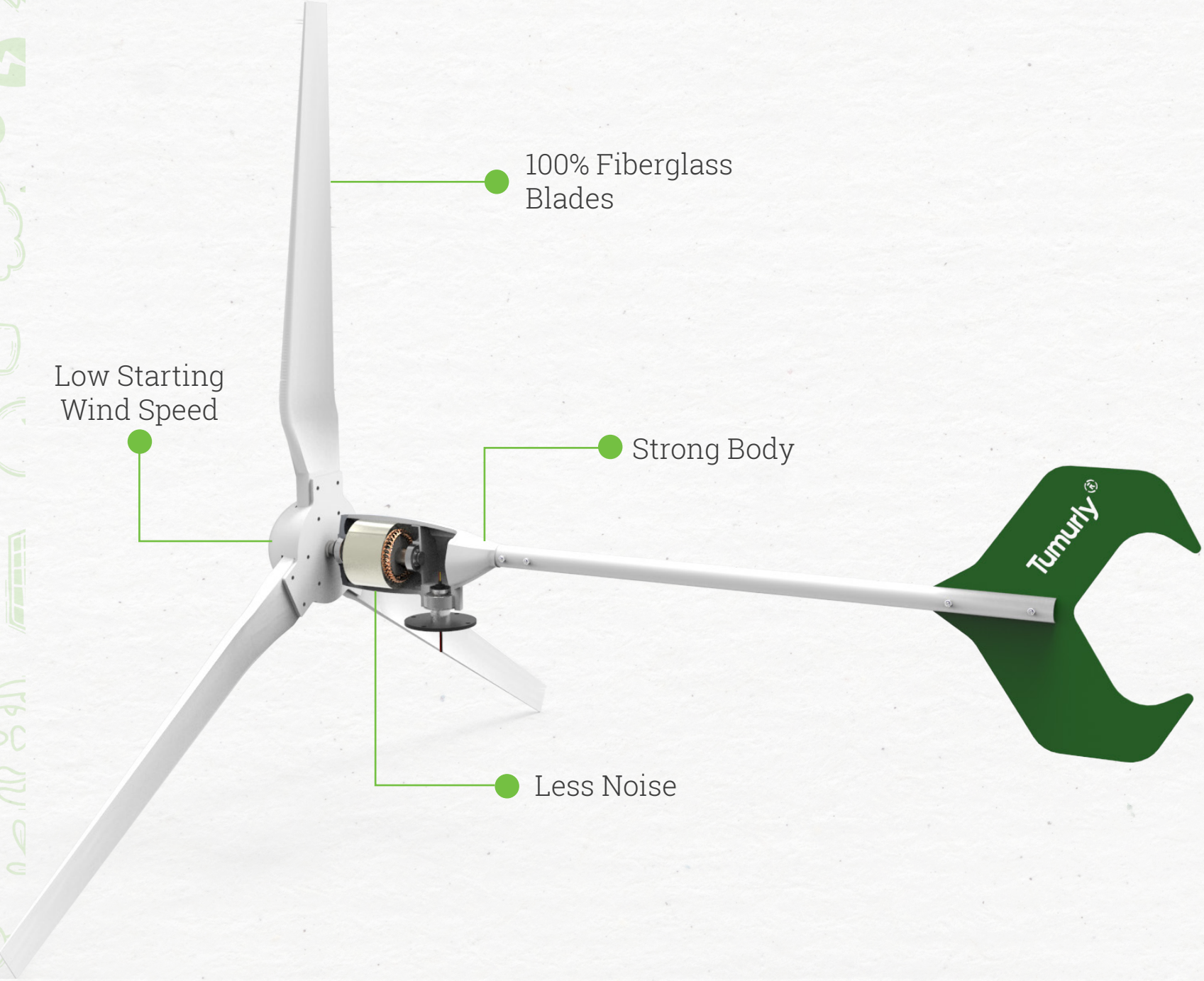


More Efficient
Generator

More
Production

Low RPM
Generator

Slip Ring
Technology



100% Fiberglass
Blades

Low Starting
Wind Speed

Strong Body

Less Noise

Tumurly®

Tumurly®

Turbo5000 Prestige

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

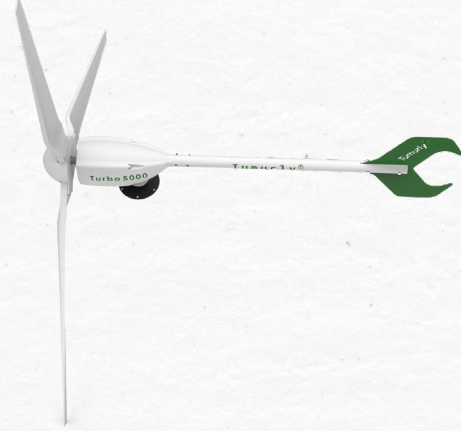
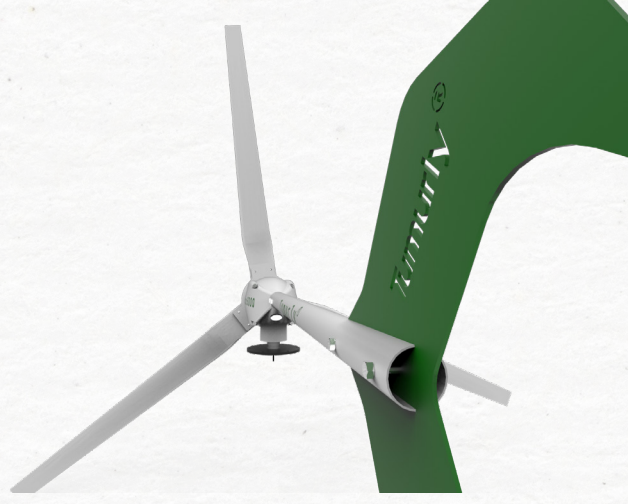
Application Voltages	24V/48V/96V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	5000 W (at 12 m/s)
Type	3 blades, horizontal
Generator	Permanent magnet, brushless, gearless, maintenance free
Housing Material	Aluminium
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	70 kg
Max. Noise	30 dB
Life Expectancy	>30 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Blade Diameter	2,813 m
Swept Area	6,15 m ²
Blade Material	100% Fiberglass
Weight per rotor blade	1200 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Charging wind speed	4 m/s
Max. RPM	600
Wind Tracking Direction	360°
Braking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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Tumurly® Turbo5000 Prestige

Tumurly®

Turbo10.0 Prestige

Area of Usage	Industrial, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, monitoring.tumurly.com

Application Voltages	48V/96V/300V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	10.000 W (at 12 m/s)
Type	3 blades, horizontal
Generator	Permanent magnet, brushless, gearless, maintenance free
Housing Material	Aluminium
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	125 kg
Max. Noise	30 dB
Life Expectancy	>30 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Blade Diameter	3,85 m
Swept Area	11,63 m ²
Blade Material	100% Fiberglass
Weight per rotor blade	1700 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Charging wind speed	4 m/s
Max. RPM	450
Wind Tracking Direction	360°
Braking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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**NEW
PRODUCT**



Tumurly® Turbo10.0 Prestige

Tumurly® TCC-5000A

Advanced Charge Controller

Functions	Automatic Braking / Automatic Charging
Application	Off Grid/On Grid
Place of Use	Opitonal, monitoring.tumurly.com

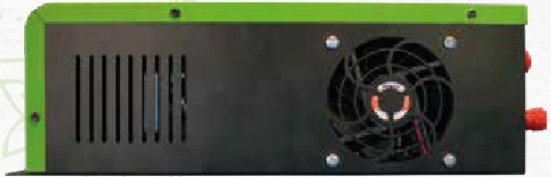
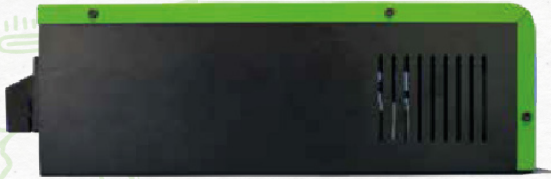
Application Voltages	24V/48V/96V/300V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Max Power	6000 W
Power Input	3 Phases
Max Current (AC)	80 A
Max Current (DC)	110 A
Operating Voltage (AC)	0 - 65 V
Operating Voltage (DC)	0 - 90 V
Charger Mass	5 kg
Turbine Test Standarts	Machinery Directive (2006/42/EC)
European Directives	Low Voltage Equipment Directive (2014/35/EU)

Automatic Braking	Available
Breaking Control Type	Thyristor
Dumpload Output	3 Phases
Dumpload Connecting	AC Side
Manual Breaking Switch	Available
Screen Parameters	Power, Battery Voltage, DC Current
Warranty	2 Years
European Standarts	EN IEC 61400-2:2014 EN 60204-1:2018 EN ISO 12100:2010

• Powerful • Durable • Technological



Screen
Power
Current
Voltage

Automatic
Braking

Automatic
Charging

Turbine
Input

Battery

Dumpload

Manuel Braking
Switch

Tumurly® Turbo Series Package Included

Flange Cover

Flange

Tail Pipe

Aluminum
Pivoting Tail

Pack of Screws



Durable Blades
100% Fiberglass

**Tumurly®
Wind
Generator**
High efficient PMG

**Tumurly®
Charge Controller**
Thyristor controlled
automatic charging
system

**Tumurly®
Dumpload**
Resistance for
automatic braking
function





Tumurly® Wind Turbine

Electrical Wiring for Hybrid Application

Tumurly® Wind Turbines



Advanced Automatic Braking System***

Tumurly® Charge Controller



Dumload



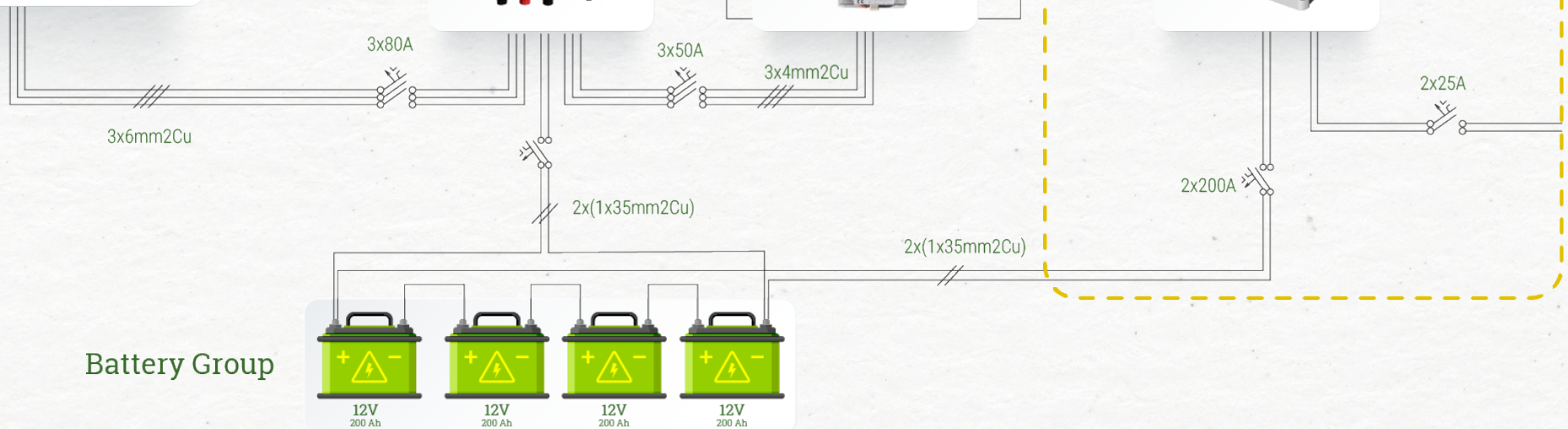
PV Panels



Solar Inverter



Battery Group



Tumurly® Wind Turbines

Application and Assembly







Tumuryty[®]
Charging Point

Vertical Series Wind Turbines



Tumurly®

Vortex1.0

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

Application Voltages	12V/24V/48V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	1100 W (at 12 m/s)
Type	3 blades, vertical
Generator	Permanent magnet, brushless, gearless, maintenance- free
Housing Material	Aluminium
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	55 kg
Max. Noise	30 dB
Life Expectancy	>25 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Turbine Diameter	1000 mm
Blade Heigh	1050 mm
Blade Material	Aluminium
Weight per rotor blade	500 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Direction	in a clockwise direction
Blades Max. RPM	450
Breaking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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Vortex3.0

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

Application Voltages	24V/48V/96V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	3000 W (at 12 m/s)
Type	3 blades, vertical
Generator	Permanent magnet, brushless, gearless, maintenance- free
Housing Material	Aluminium
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	85 kg
Max. Noise	30 dB
Life Expectancy	>25 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Turbine Diameter	1500 mm
Blade Heigh	1447 mm
Blade Material	Aluminium
Weight per rotor blade	650 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Direction	in a clockwise direction
Blades Max. RPM	450
Breaking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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Tumurly® Vortex3.0

Tumurly®

Vortex5.0

Area of Usage	Residential, Agriculture, Communication
Application	Off Grid/On Grid
Place of Use	Opitonal, montoring.tumurly.com

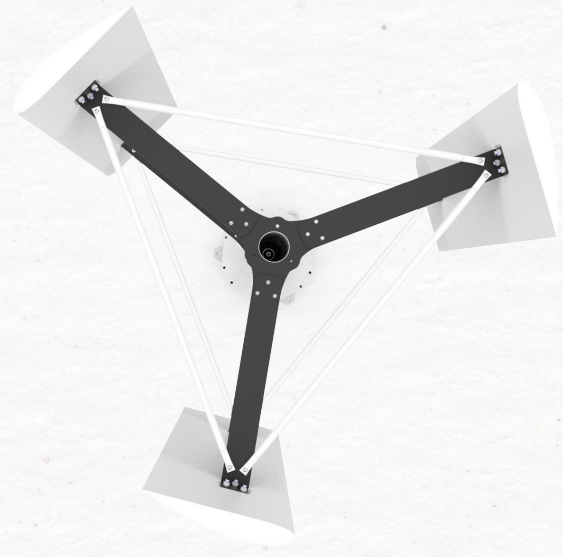
Application Voltages	24V/48V/96V/300V
Battery Types	Lithium Ion, Gel, Lead Acid, Tubular, Carbon

Technical Data

Rated Power	5000 W (at 12 m/s)
Type	3 blades, vertical
Generator	Permanent magnet, brushless, gearless, maintenance- free
Housing Material	Aluminium
Operating Voltage	0 - 90 AC
Current	3-Phase-AC
Total Turbine Mass	125 kg
Max. Noise	30 dB
Life Expectancy	>25 years
Warranty	2 Years
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)

Turbine Diameter	3000 mm
Blade Heigh	2000 mm
Blade Material	Aluminium
Weight per rotor blade	2000 g
Hub Flange	Cast Steel
Starting wind speed	3 m/s
Direction	in a clockwise direction
Blades Max. RPM	400
Breaking Method	EM Brake
European Standards	EN IEC 61400-2:2014 EN 60204-1:2018, EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

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Tumurly® Vortex5.0



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