



GP YONVAL

40 kW

The GP Yonval 40-16 is designed to generate high levels of energy, in accordance with the IEC 61400-2 standards and manufactured with reliable European components.

The variable speed active stall control system maximizes the power production for below rated wind speed and ensures a safe power limitation above rated wind speed.

This three bladed wind turbine is a reliable 40 kW small wind turbine with a high performance.



MMB Drives Sp. z o.o.
ul. Litewska 11/13A
80-719 Gdansk, Poland
Tel. +48 605 068 292
www.mmb-drives.com.pl

GREEN POWER SARL
Lieu-dit Yonval
51330 Possesse, France
+ 33.(0)3.26.92.01.13
www.gpyonval.com

GP Yonval 40-16 : 40 kW Wind Turbine

The new GP Yonval 40-16 is designed to generate high levels of energy, in compliance with the IEC 61400-2 and manufactured with reliable European components.

At this stage, we have already installed several small wind turbines in Europe, and we look forward to strength our international presence.

The GP Yonval 40-16 offers the following competitive advantages:

- Robust and reliable wind turbine as based on proven and long lasting components
- Simple and effective design
- Intelligent Controller with integrated Power Converter
- Low noise level
- Competitive price

The GP Yonval 40-16 is designed in accordance with the IEC 61400-2 standard

Turbine Safety activation

- At high wind speed the nacelle is yawed out of the wind
- Stall regulated blades
- Rotor over speed
- Generator over temperature
- Generator over current
- Power converter radiators over temperature
- Grid over voltage
- Grid failure
- Wind sensor failure
- Controller failure
- Emergency button pressed
- Low temperature into the controller



Member since 2011



Member since 2013

TECHNICAL DATA : 40 kW Wind Turbine

Turbine

Configuration	3 blades, horizontal axis, upwind, SWT Class III
Rated power	40 kW
Rated wind speed	11 m/s
Cut-in wind speed	3.5 m/s
Cut-out wind speed	24 m/s
Extreme wind speed	52.5 m/s
Yaw System	Active / Electric
Applications	On-Grid

Rotor

Rotor diameter	16 m
Swept area	200 m ²
Rotor speed @ 11 m/s	50 rpm
Blade material	Fiberglass – reinforced epoxy
Power regulation	Active stall - Torque control

Generator

Type	Induction generator
Configuration	3x400 VAC / 50 Hz
Gearbox	1:29.95

Safety systems

Fail-safe brake
Variable speed active yaw control system
Active generator torque control

Controller

Intelligent controller with integrated power converter
RS 485 for remote monitoring and control
User-friendly touch screen control

Warranty

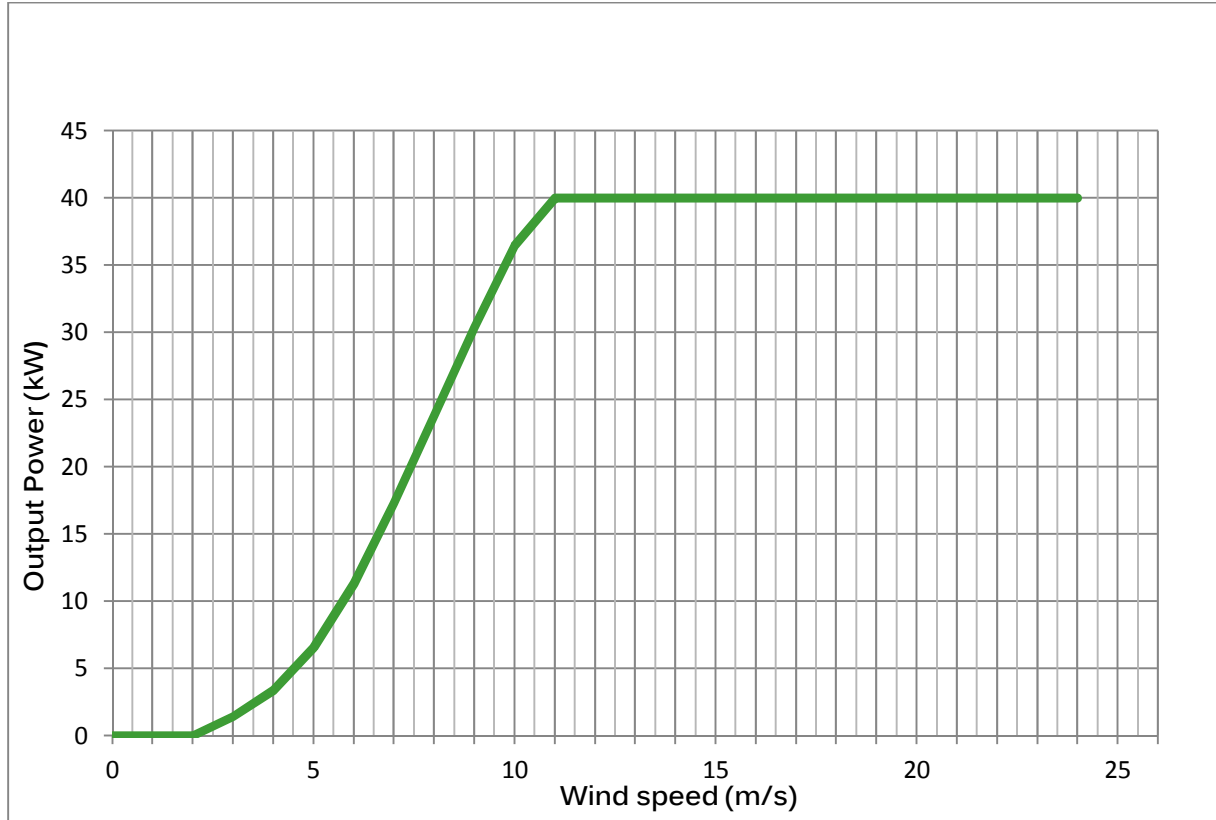
Turbine - Controller 2 years (warranty extension available as an option)

Tower

Free standing monopole 20, 24 and 30 m (at hub height)

- safe climbing system

Power Curve



The GP Yonval 40-16 represents a new standard for small wind turbines.

Regulated by torque control and by its intelligent controller with integrated power converter, it ensures optimum performance and efficiency.

The variable speed active stall control system maximizes the power production for below rated wind speed and ensures a safe power limitation above rated wind speed

The simplicity of the design, the high quality of all components and the aerodynamic blades design ensure exceptional power production and very low noise.

Distributor

Specifications in this data sheet may be modified without prior notice.

The annual energy production of a Wind Turbine cannot be predicted with certainty, as it depends on many factors like the location, the site wind resource, the hub height and many other factors.

Any estimation given by us will not constitute any form of guarantee.