

## VAYU 4 WINGS PER SIDE

Type of motion: 3D Bionic (works with the support of the physical laws of nature.)

Maximum generated power per hour: up to 4.0 kWh

Surface area per wing (3 different sizes): 0.62m<sup>2</sup> - 1.46m<sup>2</sup>

Maximum rotation speed (after automatic braking): 90RPM

Output voltage of the generator: Max. 3 x 260VAC

Maximum wind speed: 100km/h

Number of wings: 8

Thickness of the blades: up to: 10 mm

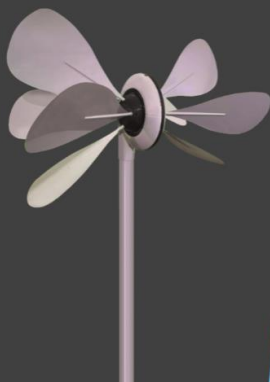
Blade material: Carbon

Weight: approx. 250kg

Recommended mast height: 4m - 12m

Patented gearbox unit "SWISS HEART"

Axial flux permanent magnet generator



"TECHNOLOGY  
DETERMINES THE  
FUTURE OF OUR  
PLANET"



ORDER YOUR VAYU HERE

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## OUR SOLUTION



We offer complete modular solutions including VAYU application management. Additionally also in combination with solar and batteries as well as the corresponding components.

The VAYU has 8 blades and is customiabile (size of blades).



## HOW VAYU WORKS:

DRAG-Type



LIFT-Type



VAYU



Instead of rotating in the familiar 2-dimensional way, VAYU incorporates a completely new technology which allows for a 3-dimensional movement. Due to the additional rotation of the blades around their own axes, the system is 40% more efficient than conventional systems and additionally it operates noiseless. VAYU combines the LIFT and DRAG type systems. By switching automatically from DRAG- to LIFT-Type all advantages of those traditional technologies are incorporated without their downsides.

## STEP BY STEP



wind speed  
(from 2m/s on)



VAYU plant  
rotates



Electric power is  
produced



Conversion into  
"household electricity"  
mains power or battery



Management via  
VAYU - APP

## FURTHER ADVANTAGES OF VAYU



### WHISPER-SILENT

Due to its novel movement, the air is not cut and hence no noise is generated. The VAYU is whisper quiet and is therefore ideal for residential areas.



### BIRD-FRIENDLY

Unlike conventional wind turbines, VAYU is bird-friendly. Even in the case of physical contact with the wind turbines, the animal will neither be injured nor killed.



### AFFORDABLE

VAYU saves up to 20% of cost over the entire life cycle than conventional systems and can be implemented and combined with existing decentral infrastructure.



### COMBINABLE

The system is compatible with solar panels. Depending on the wind conditions, this is even recommended.



### ZERO CO2 EMISSION

Zero CO2 emission and 100% sustainable energy production.



### LOCAL MATERIAL

The VAYU component and material mix is locally available. It is not dependent on rare earth metals.