

# WIND TURBINE

## 4SUN-NE-100S3-3

### 12V

Product code: W0025

**100W**  
Rated power

**3**  
Number of blades



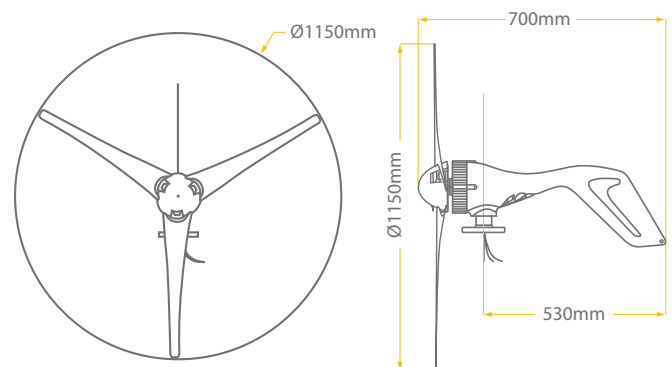
## FUNCTIONS

- Low start-up speed, high wind energy utilisation.
- Easy installation, optional connection pipe or flange connection optional.
- Optimised aerodynamic blade shape and structure to increase wind utilisation and annual energy production.
- Cast aluminium alloy body, with 2 swivel bearings, so it can withstand stronger winds and operate more safely.
- The turbine has a built-in magnetic brake, which effectively reduces torque at the limiting wind speed and influences the optimal generator operation.

# 4sun®

## TECHNICAL DATA

Model	Wind Turbine 4SUN-NE-100S3-3 12V
Rated power	100W
Maximum power	110W
Rated voltage	12V
Take-off speed	2m/s
Rated wind speed	10m/s
Wind speed limit	45m/s
Rotor diameter	1.15m
Net weight	7kg
Number of blades	3
Blade material	nylon
Type of alternator	3-phase AC generator with neodymium permanent magnets (NdFeB), synchronous
Generator housing	aluminium alloy
Control system	Electromagnet
Working temperature	-40°C - 80°C
Design lifetime	20 years



POWER CURVE

