

Operating Manual Solar Fan System "Fresh Air"



These instructions relate **ONLY** to this product and contain important information for using the product for the first time. Please keep these instructions for later reference and should always accompany the product in the event of transference to a new user.

1. Introduction

Dear Customer, thank you for purchasing the solar pump kit. With this solar pump kit you purchased a product manufactured according to the current state of technology.



This product fulfils all requirements of the valid European and national regulations. The conformity was proved. The relevant declarations and documentation are deposited with the manufacturer.

To maintain this state and guarantee a safe operation, you as the user will have to follow this operating manual!

2. Safety Instructions



- In case of damages caused by not following this operating manual, the warranty rights will expire! We exclude liability for any consequential damages!
- We exclude liability for property or personal damages caused by inappropriate handling or not following the safety instructions.
- In these cases any guarantee rights will expire.

Due to safety and admission reasons (CE) it is not allowed to arbitrarily reconstruct and/or change the solar pump kit.

Therefore, please keep to the operating manual.

The accident prevention rules of the association of the industrial trade cooperative association for electric plants and working material are to be considered in industrial environments.

3. Intended Use

- The solar fan system is designed for the air circulation in the garden shed or greenhouse. The fan wheel will rotate depending on the solar radiation onto the solar module.
- The fan is installed in a touch-protected housing and the fan respectively the air flow may comfortably be adjusted via the ball joint.
- The fan may be installed by means of a ground spike or screws.
- The solar module may be fastened by means of a ground spike.
- **Direct solar radiation is required for the full function of the fan.**
- The device does not have any on and off-switch. The fan may rotate as soon as the fan and solar module are connected to each other.
- In order to safely stop the delivery you have to disconnect the cable connection between the solar module and the pump.

4. Assembly and Commissioning

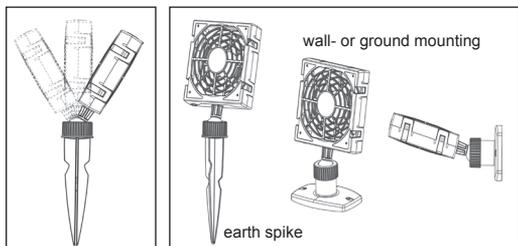
The fan system consists of the following components:

1 pc. 5 W solar module including ground spike, 1 pc. fan in a plastic housing including a 5 m connector cable, ground spike or mounting bracket for the mounting of the fan.

1. Completely unroll the connection cable of the fan.
2. Choose an appropriate place for the mounting of the fan. The fan must not be mounted outdoors. It is suitable for the mounting in a greenhouse or garden shed. Provided for the assembly is a ground spike respectively a wall or ground bracket.
3. Now screw down the ground spike for the solar module onto the back side of the module. Connect the socket of the fan with the plug of the solar module and screw the lid tight.
4. Position the solar module at a sunny, shadow-free place facing south.
5. The fan will start to rotate when the first solar radiation hits the solar module. The solar fan system is now ready for use!

Note: Do not apply force when inserting the device. The front side of the solar modules is fragile.

Caution, danger of injuries! A broken module can no longer be repaired and has to be disposed of in an environmentally compatible way.



5. Technical Data

Solar module

- Nominal capacity:	5 Wp
- Nominal voltage:	17.45 V
- Nominal current:	287 mA
- No-load voltage:	20.88 V
- Short-circuit current:	342 mA
- Protection type:	IP 65
- Protection class:	III
- Temperature range:	-30°C to +75°C

Fan:

- Operating voltage range:	12 - 18 VDC
- Delivery volume:	max. 90 m ³ /h
- Protection type:	IP 23
- Protection class:	III

6. Safety instructions:

DANGER for children! Keep children away from the small components (rising pipe and sprinkler) that can be swallowed and from the packaging material. Danger of suffocation exists!

WARNING against the danger of tripping! Lay the connecting cable in such a way that it does not cause people to trip!

CAUTION material damages! If you setup the solar module without the holder, please ensure that it is stable. The solar module can be damaged if it topples over or a foreign body collides with it.

Disposal instruction for electronic devices:

Dear customer, if you do not want to use the article any more, please dispose with it in accordance with the current provisions. Information is available at the community office.



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