User Manual – Cooling GoodWe ET series – GWET01

Dear customers,
thank you for your trust and for purchasing this product. This user manual is part of the product. It contains important instructions for commissioning and operation. If you hand the product over to another person, make sure to also provide this manual. Keep this manual for future reference!

Product Description

Additional active cooling for GoodWe ET series inverters, designed to reduce the inverter temperature under load by 15–30 °C (depending on installation conditions). Helps prevent power derating during hot days and prolongs the service life of electronic components.

Package Contents

- Power supply SAW30-240-1200G, 230V AC / 24V DC
- Cooling rail

Specifications

Compatibility:
GoodWe: GW5K-ET, GW6.5K-ET, GW8K-ET, GW10K-ET, GW5KN-ET, GW6.5KN-ET, GW8KN-ET, GW10KN-ET
AEG Hybrid Inverter: AS-ICH02-5000/6500/8000/10000-2/HV

Power supply: 24V DC (5.5*2.1), min. 0.8A source
Active cooling: 3 × Sunon 60 mm fans, Vapo (MagLev), rated lifetime 70,000 h, airflow total 138 m³/h
Consumption: Stand-by 0 W, operation 7 W

Safety Instructions

- The device is intended for indoor use only.
- Do not use in humid, dusty, flammable, or explosive environments.
- Do not open, repair, modify, or tamper with the device – doing so voids the warranty.
- Regularly check the cooling functionality.
- Always follow the rules, instructions, and warnings provided by the inverter manufacturer during installation, removal, and handling.
- If not properly mounted or connected, cooling may not reduce inverter temperature effectively and can even increase it – check operation after installation.
- If disconnected from the power supply, cooling must be promptly removed from the inverter.
- Use only a 24 V DC, min. 0.8 A power supply.
- Do not use the device if the power cable, casing, or fans show visible damage.
- Prevent foreign objects from entering the fans during operation.
- Never cover the device – ensure free airflow.
- Not intended for use by children or persons with reduced capabilities without supervision.
- Do not install or use near water sources (sinks, pools, showers, etc.).
- Always disconnect from power before cleaning and wait until fans have completely stopped.

Manufacturer and Service: Jaroslav Rychtecky, Vetrna 108, Svinare-Halouny, 26727, Czech Republic, IČO: 71774033, DIČ: CZ8306080068
www.solar-inverter-cooling.eu, shop@solar-inverter-cooling.eu, +420 773 902 693

Installation Instructions

Install by sliding the unit under the inverter and then attaching it to the lower ends of the fins. Secure with side screws if needed. Removal is done in reverse order. Both the inverter and cooling must be powered off before installation or removal.

Function Description

When powered, the cooling starts automatically. It draws air from below. Operation can be controlled using a socket with a timer or an automation-controlled socket.

Storage and Cleaning

- Operating environment: temperature 5 °C–55 °C, relative humidity <70%
- Storage conditions: temperature 0 °C–55 °C, relative humidity <70%
  The product requires no maintenance. Clean the casing with a soft cloth slightly dampened with water only. Do not use abrasive agents or solvents (paint or varnish thinners), as these may damage the product. Clean once per year. Cleaning may only be carried out when the cooling is removed and disconnected from the power supply.

Disposal Information

For environmental protection, the device must not be disposed of with household waste at the end of its service life. Dispose of it in accordance with local regulations at designated collection points. Dispose of in compliance with Directive 2002/96/EC – WEEE (Waste Electrical and Electronic Equipment). For questions, contact your local authority responsible for disposal.

Warranty

This product is covered by a 24-month warranty. The warranty does not cover damage during transport, damage caused by improper handling, accidents, failure to follow instructions, modifications by third parties, force majeure (e.g., lightning, earthquakes, fire, volcanic eruptions), or damage after the warranty period has expired.

The product complies with EMC 2014/30/EU and RoHS 2011/65/EU. The EU Declaration of Conformity is available from the manufacturer.

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