

## **Consumer Warranty – Viessmann Battery HV1 / HV2**

### **1. Consumer Laws**

If you acquire the Product from an Authorised Reseller in European Union and United Kingdom and the Consumer Law applies, the Product comes with guarantees that cannot be excluded under the Territory Consumer Law.

The benefits provided by this Warranty are in addition to all other rights and remedies in respect of the Product which You have under the Consumer Law or any other law that cannot be excluded.

### **2. Product Warranty**

The Product is integrated with Battery Management System (BMS) and Battery Modules, which designed for only series connection according to the Product Manual.

Viessmann warrants that the Product will be free of defects caused by improper workmanship or defective materials, including BMS.

This warranty of the battery modules performance commences the period of **ten (10)** years from the earlier of:

1. the date of installation of the Product; or
2. six (6) months after the date the Product was manufactured

This warranty does not include any accessories and tool kit items provided along with the Product.

This warranty only covers the repair or replace of a defective Product. Viessmann will repair or replace the Product if the Product is defective and returned during the Warranty Period. The repaired or replaced product will continue the original remaining warranty period. In either case it shall not justify as a renewal of the warranty period.

### **3. Warranty Conditions**

The warranties in respect of the Product only apply if the Product:

1. is purchased from Viessmann or an Authorised Reseller in the Territory;
2. has the official Viessmann serial number;
3. is installed in the Territory;
4. is installed, operated and maintained in accordance with the Product Manual; and
5. be used on a daily cycle basis, under 90% depth of discharge, Photovoltaic (PV) energy storage.

### **4. Claim**

Claims should be made to the Authorised Reseller from whom the Product was purchased.

You must, within 48 hours of a defect being discovered, notify Viessmann of a claim by:

1. if You registered the Product, completing the claim form on the Viessmann website; or
2. if You did not register the Product, completing the warranty card provided with the Product at the time of purchase and either emailing a copy to Viessmann at the below email address, or delivery or emailing the warranty card to the Authorised Reseller from whom the Product was purchased.

In order to claim under this Warranty, You must:

1. present the certificate of warranty declaration in its original form;
2. submit the invoice for the procurement of the Product indicating the date of delivery; and
3. provide the Viessmann system log data recorded by the Product as an indication of whether or not the Minimum Capacity has been achieved (but this would not be determinative).

To make a claim to Viessmann directly, please contact:

Address: Viessmannstraße 1, 35108 Allendorf (Eder), Germany

Telephone: +49 6452 70-0

Fax: +49 6452 70-2780

E-Mail: info@viessmann.com

Viessmann may contact You for further information regarding a defect. Viessmann may require You to complete root analysis testing of the Product to provide evidence supporting the claim. Final verification of the claim will be made by Viessmann.

If You dispute Viessmann's verification of the claim, the Product must be evaluated by the government certified testing lab or a certified 3rd party testing company. You will bear the cost of any 3rd party evaluation service charge (unless your claim is proven to be valid, in which case Viessmann will be responsible for the testing costs).

If any testing of the Product's capacity is required, the testing must occur in the following conditions

- a) The test is based on single Battery Module.
- b) The ambient temperature of the Battery Module must be  $25^{\circ}\text{C}\pm2^{\circ}\text{C}$
- c) The initial temperature of the Battery Module pods must be  $25^{\circ}\text{C}\pm1^{\circ}\text{C}$
- d) Constant voltage\* constant current\*\* charge till all the cell voltage above 3.50Vdc or till charge current less than 1Amps.
- e) Constant voltage\* constant current\*\* discharge till battery low voltage protection cut-off.

f) \*For Viessmann Battery HV1 system, the single module constant charge / discharge voltage is 54Vdc / 43.5Vdc;

For Viessmann Battery HV2 system, the single module constant charge / discharge voltage is 108Vdc / 87Vdc;

\*\* For Viessmann Battery HV1 system, the single module constant charge/discharge current is 14.8Amps;

For Viessmann Battery HV2 system, the single module constant charge/discharge current is 7.4Amps;

If the Product is no longer available, Viessmann may, at its discretion, replace the Product with a refurbished product or different product or parts with equivalent functions and performance according to the latest technical information available.

The Battery Module has a time value replacement guarantee for a period of 10 years. In this case, if the Battery Module is defective, the time value of the batteries is replaced. The fair value is calculated on the basis of a linear depreciation over a period of 10 years. That means a minimum of 80% of the usable capacity over a period of 10 years.

## 5. Exclusions of Warranty

To the extent permitted by law, Viessmann excludes all liability for the Product to the extent that any damage or defect has been caused or contributed to by the following:

1. Inverter/PCS (power converting system)/EMS failure;
2. The Product being installed with inverters/PCS/EMS which have not been certified by Viessmann;
3. The Product being installed in an outdoor environment without avoid of direct sunlight and frost;
4. Battery has not been installed or operated properly according to the Product Manual;
5. You treat the Product improperly, negligently or in any other inappropriate way, including using the Product outside the recommended environment, temperature and humidity condition in accordance with the Product Manual;
6. transportation, including but not limited by dropping, trampling, deforming, impacting, or spearing with a sharp item;
7. storage, installation, commissioning, modification or repair of the Product that has been performed by a person other than Viessmann or a Viessmann's certified installer;
8. abuse, misuse, negligence, accidents or force majeure events, including but not limited to lightning, flood, fire, extreme cold weather, or other events outside the reasonable control of Viessmann;
9. any attempt to extend or reduce the life of the product without written confirmation from Viessmann, whether by physical means, programming or others;
10. water, conductive dust or corrosive gas;
11. the Product has been connected with different type battery modules;
12. failure to install, operate or maintain the product in accordance with the Product Manual;
13. normal wear and tear or deterioration, or superficial defects, dents or marks that impact the performance of the Product; and
14. theft or vandalism of the Product or any of its components.

## 6. General provisions

This warranty is subject to the law of the Territory.

If any provision in this document is unenforceable, illegal or void or makes this document or any part of it unenforceable, illegal or void, then that provision is severed and the rest of this document remains in force.

If any provision in this document is unenforceable, illegal or void in 1 jurisdiction but not in another jurisdiction or makes this document or any part of it unenforceable, illegal or void in 1 jurisdiction but not in another jurisdiction, then that provision is severed only in respect of the operation of this document in the jurisdiction where it is unenforceable, illegal or void.

## 7. Definitions

### In this document:

1. **Authorised Reseller** means an approved Viessmann retailer or distributor in the Territory.
2. **Consumer Law** means: Territory Consumer law;
3. **Minimum Capacity** means at least 60% of the Nominal Energy during the Warranty Period.
4. **Nominal Energy** means the initially rated capacity of the Product as printed on the label of the Product.
5. **Product** means Viessmann Battery HV1/HV2 ESS battery system manufactured by Viessmann;
6. **Battery Module** means Viessmann Battery Module HV1/HV2 manufactured by Viessmann;
7. **Battery Management System** means the BMS manufactured by Viessmann, which include:
  - Viessmann Battery BMS HV1 (for serial connect 3 to 7 units of Viessmann Battery Module HV1 according to Product Manual);
  - Viessmann Battery BMS HV2 (for serial connect 2 to 4 units of Viessmann Battery Module HV2 according to Product Manual);
8. **Product Manual** means the instructions and manuals issued by Viessmann with the Product that set out how the Product should be installed and operated.
9. **Viessmann** means Viessmann Climate Solutions SE, Viessmannstraße 1, D-35108 Allendorf (Eder)
10. **Territory** means European Union and United Kingdom.
11. **You** means the natural person that acquired the Product.

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### Viessmann Climate Solutions SE

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