

# LG Chem Lithium-ion Battery Limited Warranty (RESU3.3 / RESU6.5 / RESU10 Battery Storage System)

This limited warranty (hereinafter "Warranty") specified below applies to LG Chem Lithium-ion batteries and the Accessory Components (hereinafter "Products") supplied by LG Chem, Ltd. (hereinafter "LGC or Seller") to End-user(hereinafter "Buyer") through Authorized Reseller

## 1. Purpose

The primary purpose of this Warranty is to clearly define the matters related to warranty policy of Products.

## 2. Warranty Condition

### 2-1. Warranty Period

The Performance Warranty for the Products is valid for 10 years from the initial (first) installation date (the "Term of Performance Warranty").

### 2-2. Limitation of Warranty Scope

LGC's liability under this Warranty shall be limited to replacement, repair, refund and compensation. Replaced or repaired Products shall be warranted for the remainder of the original Term of Performance Warranty. In any event, the replacement shall not justify the renewal of the Term of Performance Warranty.

### 2-3. Exclusion of Warranty

Damage to the Products resulting from any of following activities is NOT covered by this Limited Warranty:

- Improper transportation, storage, installation or wiring by Buyer
- Modification, alteration, disassembly, repair or replace by someone other than a personnel certified by LGC
- Noncompliance with LGC's official installation or maintenance manual
- External influences including unusual physical or electrical stress (power failure surges, inrush current, lightning, flood, fire, accidental breakage, etc.)
- Use of an incompatible inverter, rectifier or PCS.

## 3. Performance Warranty

LGC warrants and represents that the Product retains at least (80)% of Nominal Energy for (10) years after the date of initial installation. LGC guarantees during Term of Performance Warranty the performance of the Product as referred to the Table below, whichever comes first when the battery system is operated under a normal use followed by the specification and the manual provided by LGC.

The term "Nominal Energy" herein means the initially rated capacity of the Products as printed on the label of the Products. The precondition of the valid Performance Warranty shall be as follows:

- (i) The ambient temperature during the operation of the Products must not fall below (-10)<sup>o</sup>C or exceed (45)<sup>o</sup>C
- (ii) The energy throughput for 10 years is less than values in table below:

| Product Name | Nominal Energy | Energy Throughput |
|--------------|----------------|-------------------|
| RESU3.3      | (3.3)kWh       | (7.8)MWh          |
| RESU6.5      | (6.5)kWh       | (15.4)MWh         |
| RESU10       | (9.8)kWh       | (23.3)MWh         |

Capacity measurement condition

- ✓ Ambient temperature: 25~30 °C
- ✓ Initial battery temperature from BMS: 25~30 °C
- ✓ Charging/discharging method
  - Charge: (0.2)CC/CV (Constant voltage (58.8)V, Cut-off current (0.05)C)
  - Discharge: (0.2)CC (Cut-off voltage (42)V)
  - Current at (0.2)C: (12.6)A (RESU3.3), (25.2)A (RESU6.5), (37.8)A (RESU10)
- ✓ Current and voltage measurement at battery DC side

#### **4. Out of Warranty Policy**

Products damage which is not caused by seller, LGC shall provide charged service, including all the expenses of such as material cost, labor cost, warehouse cost, transportation cost, customs duties, analysis cost, management cost, corporate profits, disposal expense(If necessary) and so on.

#### **5. About Service Products/Parts**

Service products/parts are able to be used as new or refurbished condition which performance is equal to or higher than defective Products and guaranteed by LGC.

In the event the Products are not available in the market anymore, LGC, at its option, may replace it with different kind of product with equivalent functions and performances or refund the remaining annually depreciated value of the purchase price of the Products during the Term of Performance Warranty as the Compensation Scheme below. The purchase price mentioned hereinabove means the list price actually paid by the Buyer for the purchase.

##### **< Compensation Scheme >**

CLASS I : 100% of the purchase price from the initial installation date to 24<sup>th</sup> month

CLASS II : 72% of the purchase price from 25<sup>th</sup> to 36<sup>th</sup> month

CLASS III : 58% of the purchase price from 37<sup>th</sup> to 48<sup>th</sup> month

CLASS IV : 44% of the purchase price from 49<sup>th</sup> to 60<sup>th</sup> month

CLASS V : 30% of the purchase price from 61<sup>st</sup> to 72<sup>nd</sup> month

CLASS VI : 16% of the purchase price from 73<sup>rd</sup> to 84<sup>th</sup> month

CLASS VII : 6% of the purchase price from 85<sup>th</sup> to 96<sup>th</sup> month

CLASS VIII: 4% of the purchase price from 97<sup>th</sup> to 108<sup>th</sup> month

CLASS IX : 2% of the purchase price from 109<sup>th</sup> to 120<sup>th</sup> month

No warranty of performance will be provided from the 121<sup>st</sup> month

#### **6. Claim Payment Policy**

Claims under this Warranty must be made by notifying the installer or reseller from whom Product was purchased. For a Warranty Claim to be processed, Buyer should share the following items to installer or reseller;

- (1) Proof of the original purchase of Product
- (2) Description of the problem symptom
- (3) The relevant Product's serial number
- (4) The initial installation date and issue date

Buyers who are unable to contact the installer or reseller from whom Product was purchased should contact LGC at the LGC Partner Portal website. (<http://www.lgesspartner.com>) Please leave your question into Contact Us page linked from the bottom of main page of the website.

#### **7. Applicable Law**

This warranty is subject to the law of Federal Republic of Germany.