



BSLBATT Lithium Battery Limited Warranty Letter

Version No: V1.5

The lithium iron phosphate battery energy storage systems as supplied and distributed by Huizhou BSL NEW ENERGY Technology Co., Ltd., ("BSLBATT") a China corporation, are warranted (the "Limited Warranty") by BSLBATT against manufacturing defects in materials and workmanship. BSLBATT provides the warranties in this document ("Limited Warranty") to the person who purchases the Product for their use and puts the Product into operation for the first time ("Original Buyer"). To be eligible, all BSLBATT Products must be installed by a licensed professional using the BSLBATT Installation Manual and the BSLBATT Integration Guide.

Applicable Product Type

1. B-LFP48 Series

Rack-mounted: B-LFP48-52/100/134/156/170/200/280/300E

Wall-mounted: B-LFP48-52/100/156/170/200/280/300PW

2. HV Series

MatchBox HVS
Lominova 10K/15K
ESS-GRID Station Series
ESS-GDIR HV PACK

1 – LIMITED WARRANTY COVERAGE

Subject to the exclusions and limitations set out below, the BSLBATT battery storage systems come with a Manufacturer's warranty which includes:

1.1. Warranty Start Date

Generally, the Warranty Start Date is the first day after six (6) months from the Production Date of the Product (Refer to the Appendix of this Limited Warranty to find out the Production Date). But if the Original Buyer can provide the written documents (such as receiving note) to prove the time when the Product is delivered to the installation site where the Product is installed and operated for the first time ("Delivery Date"), the Original Buyer can choose the first day after thirty (30) days from the above Delivery Date as Warranty Start Date.

1.2. 2 Years Limited Product Warranty

BSLBATT battery energy storage system warrants that the hardware of electronics and enclosure (including battery cover, micro circuit breaker, BMS) will be free of defects caused

by improper workmanship or defective materials.

1.3. 10 Years Limited Performance Warranty

a) BSLBATT offers a 10-year warranty on its products' performance; for 6,000 cycles, 80% DOD; or for 4000 cycles, 90% DOD; whichever comes first. All installations of BSLBATT Products worldwide on marine vessels or mobile vehicle applications are covered by the 5 Year Limited Performance Warranty Period.

b) BSLBATT warrants that the Product will (i) retain 60% - 70% of its Usable Energy for ten (10) years from the Warranty Start Date, or (ii) reach the Minimum Throughput Energy, whichever comes first, on the condition that the Product is operated in a normal manner that adheres to the manual guidelines provided by BSLBATT.

c) The Minimum Throughput Energy means the total output energy of the Product recorded in the control module of the Product.

d) The Usable Energy and Minimum Throughput Energy for each Product Model are set out in the table below:

Table 1.0 –Total Energy Throughput According to Minimum Depth of Discharge (DOD) for each product model.

Product Model	Usable Energy (kWh)	Minimum Through Output Energy (MWh)
B-LFP48-52 E/PW	2.66	6.99
B-LFP48-100 E/PW	5.12	13.45
B-LFP48-120E	6.14	17.04
B-LFP48-134 E	6.86	18.02
B-LFP48-156 E/PW	7.99	20.99
B-LFP48-170 E/PW	8.91	23.42
B-LFP48-200 E/PW	10.24	26.91
B-LFP48-280 E/PW	14.34	37.69
B-LFP48-300 E/PW	15.36	40.36
MatchBox HVS2	10.64	27.96
MatchBox HVS3	15.97	41.97
MatchBox HVS4	21.29	55.95
MatchBox HVS5	26.62	69.96
MatchBox HVS6	31.94	83.93
MatchBox HVS7	37.27	97.95
Lominova 10K	10.64	27.96
Lominova 15K	15.97	41.97
ESS-GRID S205-10	104.9	275.68
ESS-GRID S280-10	143.4	355.91
ESS-GRID S304-10	155.6	386.20

ESS-GRID HV PACK 5	38.88	186.62
ESS-GRID HV PACK 6	46.66	223.96
ESS-GRID HV PACK 7	54.43	261.26
ESS-GRID HV PACK 8	62.21	298.60
ESS-GRID HV PACK 9	69.98	335.90
ESS-GRID HV PACK 10	77.76	373.24

Lithium battery throughput refers to the cumulative amount of electricity discharged at any number of cycles during its service life. Lithium battery throughput $C = (\text{nominal capacity } C_n + \text{nominal capacity} \times \text{capacity retention rate } \eta \text{ at the end of service life}) / 2 \times \text{depth of discharge DOD} \times \text{number of cycles at the end of service life}$.

1.4. Limited Performance Warranty for additional battery modules

If the Original Buyer purchases additional battery modules after the initial installation of the Product ("Subsequent Product"), the warranty in clause 1.3 applies to the Subsequent Product from the sale date recorded in the seller's invoice to the Original Buyer of that Subsequent Product.

BSLBATT will be notified immediately by Dealer as soon as a situation arises where damage or defects to the Products may have resulted in any damage to third parties or to Dealer itself.

BSLBATT and Dealer will cooperate closely to determine the causes of such defects or non-conforming Products and take appropriate corrective measures to prevent future incidents.

1.5. Warranty Limitations

The Limited Warranties in clauses 1.2 and 1.3 are subject to and must be read together with the limitations, exclusions, and limitations set out below.

1.6. Warranty Coverage

a) This Limited Warranty applies only to the original end-user purchaser of the BSLBATT Product and is transferable only if the BSLBATT Product remains installed in the Original Use Location.

b) BSLBATT does not warrant, or guarantee workmanship performed by any person or firm installing the BSLBATT Product.

c) This Limited Warranty does not cover the cost of installation, removal, shipping, or re-installation.

d) This Limited Warranty does not cover faults in design or installer error such as but is not limited to, reverse polarity or misuse of system-wide equipment, or inaccurate programming of all ancillary equipment in your system.

e) This Limited Warranty applies only to a BSLBATT Product purchased from BSLBATT or an authorized BSLBATT distributor, dealer, or reseller, and properly installed by a licensed professional.

f) The liability of BSLBATT under this Limited Warranty shall be limited to the repair or replacement of the BSLBATT Product, at BSLBATT's sole discretion. BSLBATT will not be responsible for any other types of losses or costs of any type pertaining to the use of its products. If the BSLBATT Product is found to be defective as a result of any manufacturing defect in materials and workmanship during the Limited Warranty Period, BSLBATT will, at its sole discretion either

- (i) fix the issue by changing configurations or updating software, or.
- (ii) repair the battery system by replacing with spare parts; or.
- (iii) replace the battery system with a battery system that is brand new or refurbished but at least functionally equivalent to the original battery system, or an upgraded model which is either functionally equivalent or functionally superior to the original battery system. If the device is replaced within the warranty period, the remaining warranty period will be automatically transferred to the replacement unit. If the remaining warranty period is less than half a year after the replacement, it will be extended to a 6 months warranty.

If a BSLBATT Product is replaced, the defective BSLBATT Product will become the property of BSLBATT and must be returned to BSLBATT free of any third-party ownership claims. The Warranty period of any repaired BSLBATT Product or its replacement is twelve (12) months from the date of shipment from BSLBATT, or the remaining term of the Limited Warranty Period, whichever is greater.

2. EXCLUSIONS AND LIMITATIONS

2.1. Disclaimer

a) To the extent permitted by law, the warranties in this Limited Warranty are the only express warranty given for the Product. BSLBATT disclaims all statutory and implied warranties, including without limitation, any warranties of merchant-ability, fitness for a particular purpose, or non-infringement. To the extent permitted by law, in so far as such warranties cannot be disclaimed, BSLBATT limits the duration and remedies of such warranties to the duration of this Limited Warranty and, at BSLBATT's option, the repair or replacement services described below.

b) Neither seller of the Product nor any other person is authorized to make any warranties on behalf of BSLBATT other than those contained in this document or to extend the duration of the warranties beyond the periods specified above.

c) BSLBATT acknowledges that Dealer depends on the quality, safety and legal compliance of the Products to conduct its business and maintain a positive reputation.

d) BSLBATT acknowledges that the Products supplied to Dealer must fully comply with applicable laws, regulations and safety standards applicable in The Territory.

2.2. Limitation of Liability

Except as provided in this warranty and to the maximum extent permitted by law, in no event

will BSLBATT be liable for any consequential, incidental, special, or punitive damages (including without limitation of loss of profits, harm to goodwill or business reputation, or delay damages) arising from or out of the Product or its installation, use, performance or non-performance, or any defect or breach of warranty, whether based on contract, warranty, negligence, strict liability, or any other theory. BSLBATT's aggregate liabilities, if any, in damages or otherwise, shall not exceed the purchase price paid by the Original buyer for the Product.

BSLBATT accepts full liability for and undertakes to reimburse Dealer for all damages, losses, costs, expenses and claims arising from any defective or non-compliant Products sold by Dealer.

BSLBATT also accepts liability for and undertakes to compensate third parties or Dealer for damages, regardless of the cause of the damage, if they result from any defect in the Products or failure to comply with legal requirements.

BSLBATT undertakes to indemnify and hold Dealer harmless against all claims, lawsuits, legal costs and other expenses arising from the sale or distribution of defective or non-compliant Products.

2.3. Warranty Limitation

The Limited Warranty in clauses 1.2 and 1.3 does not apply to any defect or deterioration resulting from:

This Limited Warranty does not apply to the BSLBATT B-LFP48 Series and HV Series battery or any BSLBATT Products under the following conditions: (i), if the BSLBATT Product has exceeded the Limited Warranty Period or exceeded the number of cycles covered or (ii) the Limited Warranty in clauses 1.2 and 1.3, does not apply to any defect or deterioration resulting from:

- The Product not being installed, maintained, or operated by the Operating Manual;
- Exposure of the Product to movement or shaking following installation, or temperatures of greater than 50°C or less than -10°C;
- Original Buyer failing to notify BSLBATT or a BSLBATT Authorized Service Partner ("BSLBATT Partner") of the defect or deterioration within 30 days of the Original Buyer becoming aware of the defect or deterioration;
- The Product not being installed within one (1) month from the Warranty Start Date;
- Operation of the Product with an inverter that is not a BSLBATT certified inverter which is specified in the BSLBATT product Compatible Inverter List, which is available on the websites:
<https://www.bsl-battery.com/inverter-compatibility-list.html>;
- Modification or repair of the Product without the approval of BSLBATT or BSLBATT Partner;
- A force majeure event (e.g., natural catastrophes, such as flooding, fires, earthquakes, lightning or other abnormal environmental conditions, war, etc.);
- Noticeable damage to the Product that occurred during transportation;
- Changes to national or regional laws, regulations, or directives;
- The Product not being operated for any period of 6 months or more.
- Incidental or Consequential Damage Caused by Other Components of the Power System Including but not limited to Inverters, Charge Controllers, Breakers, Bypass Switches,

- Fuses, etc.
- Operation in a Non-Intended Use or a Use Which Exceeds the Recommended or Permitted Limits or Loads of the BSLBATT Product.
- Installation or Removal, Alteration or Disassembly
- Normal Wear and Tear
- Accident or Abuse (Being Dropped, etc.)
- Corrosion - Inappropriate Environmental Exposure
- Repair or Service Provided by an Unauthorized Repair Facility
- Excessive Heat or Cold Conditions

3. DECLARATION OF VALIDITY OF WARRANTY LIMITATIONS

This limited warranty is the exclusive warranty applicable to the BSLBATT product. BSLBATT expressly disclaims any other express or implied warranties of the BSLBATT product, including but not limited to any implied warranties of merchant-ability or fitness for a particular purpose. No warranties whether expressed or implied including, but not limited to, any implied warranties of merchant-ability or fitness for a particular purpose shall apply after the limited warranty period.

BSLBATT also expressly limits its liability in the event of a product defect to repair or replacement in accordance with the terms of this limited warranty, and exclude all liability for identical or consequential damages, including without limitation any liability for the BSLBATT product not being available for use or lost revenues or profits, even if BSLBATT has been advised of the potential for such damages. Some countries or areas may not allow the exclusion or limitation of certain warranties or damages, so some of the above exclusions may not apply to you.

If there is any inconsistency between this Limited Warranty and any other agreement or statement included with or relating to the BSLBATT Product or services, this Limited Warranty shall govern. If any provision of this Limited Warranty is found invalid or unenforceable it shall be deemed modified to the minimum extent necessary to make it enforceable, and the remainder of this Limited Warranty shall remain valid and enforceable according to its terms.

4. OUT OF WARRANTY

In the event the Product is out of warranty, BSLBATT may (at its discretion) provide certain after-sales services to the Original Buyer, but all the costs and expenses, such as parts, labor costs, and travel expenses, shall be borne by the Original Buyer. To request such after-sales service Original Buyer must provide sufficient information about any defects to enable BSLBATT Partner to determine whether such defects are capable of repair.

5. REGISTRATION FOR LIMITED WARRANTY

To activate this Limited Warranty, the Limited Warranty Registration Form Appendix C must be completed and forwarded to BSLBATT pursuant to the instructions set forth in the Limited Warranty Registration Form. The Limited Warranty registration form must be authorized and affirmed by BSLBATT to be effective. BSLBATT will send confirmation of affirmation within 5 days of receipt of the Limited Warranty Registration form. This Limited Warranty applies only to the BSLBATT Product that is (i) registered on the Limited Warranty Registration Form

attached to this Limited Warranty and (ii) installed in the Original Use location which shall be described by inserting the address of the Original Use Location in the space “Address of Installation” provided in the Limited Warranty Registration Form and name of installer/distributor or supplier.

Limited Warranty Registration Form: <https://www.bsl-battery.com/support.html>

6. APPENDIX A – Important Notice



Important notices: Circuit Breakers, Disconnects, and Fuses should be employed throughout several points of Power storage and generation installation to effectively isolate and protect all components of the system to safeguard against faults, short circuits, and polarity reversals, or a failure of any component in the overall system. Fuses, breakers, wire ratings, and values should be determined by established standards and evaluated by certified electricians, licensed installers, and regional code authorities. Although each BSLBATT Battery contains an internal BMS with circuitry that protects the Ferrite Phosphate cells from overcharge, over-discharge and excessive load amperage, the BSLBATT Batteries must always be installed with a charge controller and the appropriate settings to protect the BSLBATT from open PV voltage and other high voltage charging sources. The BSLBATT Battery Management System (BMS) alone will not protect the BSLBATT batteries from these extreme electrical phenomena. Failure to adhere to installation protocol will void the Warranty.



CAUTION: All BSLBATT batteries can only be commissioned when the batteries are at least 20% charged. Failure to do so will void the warranty.



CAUTION: Only use a BSLBATT approved LFP charger if ancillary charging is required before installation, testing, or troubleshooting. Failure to use a BSLBATT approved LFP charger will damage the battery and void the warranty.



CAUTION: The temperature range at which BSLBATT products can be charged is 0°C - 55°C. Charging BSLBATT products outside of this temperature range may cause battery breakage and can affect battery performance and reduce battery life expectancy. Failure to comply will void the warranty.



CAUTION: Charging LFP batteries at temperatures below freezing. Do not attempt to charge the battery below 32 F (0 degrees C). Attempts to charge at subfreezing temperatures can adversely affect SOH and cycle life and will void the Warranty. If the battery must be charged below 32 F (0 degrees C), the rate of charge must be at no more than 5% of the battery's rated capacity (C/20). Failure to comply will void the warranty.



CAUTION: BSLBATT batteries can be discharged at temperatures from -20°C to 60°C. Use of the battery outside of these temperatures may damage the performance of the battery or reduce its expected life. Failure to comply will void the warranty.



CAUTION: After the battery is purchased, the installation needs to be completed within one month. If the equipment is not to be installed or used immediately, the storage environment shall meet the following requirements:

- a) Pack the battery using a packing box and put some desiccant in the box before sealing.
- b) Put the battery back to the packing box if it is not to be installed in 3 days after unpacking.
- c) Storage SOC: 25%~50%SOC. Charge and discharge the battery every 6 months.
- d) Recommended storage temperature: 0°C~35°C(less than one year), -20°C~0°C or 35°C~45°C(less than one month).
- e) Recommended storage humidity: 0%~95%RH(no condensation). Do not install the battery if any moist or condensation is found.
- f) Place the equipment in a cool place where away from direct sunlight.
- g) Keep the equipment away from inflammable, explosive, and corrosive matters.
- h) Keep the equipment away from the rain.

