



Limited Warranty

# WISDOM INDUSTRIAL POWER CO.,LTD

## B-LFP Series Energy Storage Battery



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The BSLBATT Lithium Lithium iron phosphate batteries B-LFP-48V and Powerwall ("Product(s)") as supplied and distributed by HuiZhou Wisdom Power Technology Co., Ltd., ("BSLBATT Lithium") a China corporation, are warranted (the "Limited Warranty") by BSLBATT Lithium against manufacturing defects in materials and workmanship. ("BSLBATT Lithium") 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 Lithium Installation Manual and the BSLBATT Lithium Integration Guide.

## **1. LIMITED WARRANTY COVERAGE**

### **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.Limited Product Warranty**

BSLBATT Lithium or workmanship for ten (10) years from the Warranty Start Date, subject to the exclusions and limitations set out below:

### **1.3.Limited Performance Warranty**

a)BSLBATT Lithium offers a 10-year warranty on its products; or for 6,000 cycles, 80% DOD; or for 2000 cycles, 100% DOD; whichever comes first. All installations of BSLBATT Products worldwide on marine vessels or mobile vehicle applications are covered by the 5 Year Limited Warranty Period.

b)BSLBATT Lithium warrants that the Product will (i) retain sixty percent (60%) 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 Maximum Depth of Discharge (DOD) for each BSLBATT product.

BSLBATT Battery Model	80% DOD	90% DOD	100% DOD
B-LFP48-100PW	24.3 MWh	18.4 MWh	10.2 MWh
B-LFP48-200PW	49.2 MWh	36.8 MWh	20.4 MWh
B-LFP48-300PW	73.7 MWh	55.5 MWh	30.7 MWh
B-LFP48-100E	24.3 MWh	18.4 MWh	10.2 MWh
B-LFP48-130E	31.9 MWh	23.9 MWh	13.3 MWh
B-LFP48-160E	39.3 MWh	29.4 MWh	16.3 MWh
B-LFP48-200E	49.2 MWh	36.8 MWh	20.4 MWh

**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.

**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 Lithium Product and is transferable only if the BSLBATT Lithium Product remains installed in the Original Use Location.
- b) BSLBATT Lithium does not warrant, or guarantee workmanship performed by any person or firm installing the BSLBATT Lithium Product.
- c) This Limited Warranty does not cover the cost of installation, removal, shipping, or reinstallation.

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 Lithium Product purchased from BSLBATT Lithium or an authorized BSLBATT distributor, dealer, or reseller, and properly installed by a licensed professional.

f) The liability of BSLBATT Lithium under this Limited Warranty shall be limited to the repair or replacement of the BSLBATT Lithium Product, at BSLBATT Lithium's sole discretion. BSLBATT Lithium 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 Lithium Product is found to be defective as a result of any manufacturing defect in materials and workmanship during the Limited Warranty Period, BSLBATT Lithium will, at its sole discretion either

- (i) Repair the Product,
- (ii) Replace the Product.
- (ii) Replace the Product with a similar BSLBATT Lithium Product
- (iv) Or will credit the remaining depreciated value of the Product to be applied to the purchase of a new BSLBATT Lithium Product. The purchase price mentioned above refers to the bid price actually paid by the buyer for the purchase.

### **~ Remaining Depreciable Value Compensation Scheme ~**

Class I: 100% of the purchase price from the initial installation date to the 24th month

Class II: 72% of the purchase price from 25th month to the 36th month

Class III: 58% of the purchase price from 37th month to the 48th month

Class IV: 44% of the purchase price from 49th month to the 60th month

Class V: 22% of the purchase price from 61th month to the 84th month

Class VI: 9% of the purchase price from 85th month to the 108th month

Class VII: 4% of the purchase price from 109th month to the 120th month

Out of warranty: after 120 months

If a BSLBATT Lithium Product is replaced, the defective BSLBATT Lithium Product will become the property of BSLBATT Lithium and must be returned to BSLBATT Lithium free of any third-party ownership claims. The Warranty period of any repaired BSLBATT Lithium Product or its replacement is twelve (12) months from the date of shipment from BSLBATT Lithium, 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 Lithium disclaims all statutory and implied warranties, including without limitation, any warranties of merchantability, fitness for a particular purpose, or non-infringement. To the extent permitted by law, in so far as such warranties cannot be disclaimed, BSLBATT Lithium 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 Lithium other than those contained in this document or to extend the duration of the warranties beyond the periods specified above.

## 2.2. Limitation of Liability

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

## 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 Lithium B-LFP48V and Powerwall batteries or any BSLBATT Lithium Products under the following conditions: (i), if the BSLBATT Lithium 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 Lithium 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 Lithium product Compatible Inverter List, which is available on the websites:  
<https://www.bsl-battery.com/>  
<https://www.bsl-battery.com/inverter-compatibility-list.html>;
- Modification or repair of the Product without the approval of BSLBATT Lithium 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 Lithium 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 Lithium product. BSLBATT Lithium expressly disclaims any other express or implied warranties of the BSLBATT Lithium product, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. No warranties whether expressed or implied, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose shall apply after the limited warranty period.

BSLBATT Lithium 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 incidental or consequential damages, including without limitation any liability for the BSLBATT Lithium product not being available for use or lost revenues or profits, even if BSLBATT Lithium has been advised of the potential for such damages. Some states (or jurisdictions) 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 Lithium 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 Lithium 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 Lithium 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 Lithium pursuant to the instructions set forth in the Limited Warranty Registration Form. The Limited Warranty registration form must be authorized and affirmed by BSLBATT Lithium 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 Lithium 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.



APPENDIX C – Limited Warranty Registration Form

<b>Customer</b>	
Name	
Installation address(one address per form)	
Phone	
Email	
<b>By certified installers of licensed electricians</b>	
Contact name	
Company name	
Address	
Phone	
Email	
<b>Product Installation Information</b>	
Product name/model	
Product quantity	
Product purchase date	
Where was the product purchased?	
Date of installation	
Date of commissioning	
Application scenario	

Installation location			
<b>Power source (check all that apply and specify).</b>			
PV Solar Arrays		Solar PV Arrays Size (Watts)	
Generator		Wind Tubine Size (Watts)	
Utility		Generator Size (Watts)	
Wind		*AGS Included (Y/N)	
<b>Inverter Information</b>			
Inverter configuration			
Inverter serial number			
Make and model of charge controller			
Opearting mode			
<b>Warranty / Return Instructions</b>			
Product error message			
Additional description			
Registration form completed by			
Date			



## 6. APPENDIX A – Important Notices



**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 Lithium Battery contains an internal BMS with circuitry that protects the BSLBATT Lithium Phosphate cells from overcharge, over-discharge and excessive load amperage, the BSLBATT Lithium Batteries must always be installed with a charge controller and the appropriate settings to protect the BSLBATT Lithium from open PV voltage and other high voltage charging sources. The BSLBATT Lithium Battery Management System (BMS) alone will not protect the BSLBATT Lithium batteries from these extreme electrical phenomena. Failure to adhere to installation protocol will void the Warranty.



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



**CAUTION:** The temperature range at which BSLBATT Lithium products can be charged is 0°C - 45°C. Charging BSLBATT Lithium 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 Lithium 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.