



**Power. On Your Terms.**



**10 Year Limited Warranty**

**PHI 2.7™ | PHI 3.5™ | 60A**

# 10 Year Limited Warranty:

**PHI 2.7™ | PHI 3.5™ | 60A | 24V | 48V**

## Limited Pro-Rated Warranty Coverage

The SimpliPhi Power PHI 2.7™ and PH I3.5™ Battery (the “SimpliPhi Product”) as supplied and distributed by SimpliPhi Power, Inc., a Delaware corporation, is warranted (the “Limited Warranty”) by SimpliPhi Power, Inc. against manufacturing defects in materials and workmanship for a period of ten (10) years (the “Limited Warranty Period”) or for 10,000 cycles on a prorated basis, whichever comes first, when installed and operated within the SimpliPhi Guide for Operating Parameters (Tables 1.0 & 2.0).

The term of this Limited Warranty (i) begins on the original date of purchase of the SimpliPhi Product as indicated on the Limited Warranty Registration Card submitted to SimpliPhi Power and (ii) continues through the Limited Warranty Period. This Limited Warranty applies only to the original end-use purchaser of the SimpliPhi Power Product and is transferable only if the SimpliPhi Power Product remains installed in the Original Use Location. SimpliPhi Power does not warrant or guarantee workmanship performed by any person or firm installing the SimpliPhi Power Product. This Limited Warranty does not cover the cost of installation, removal, shipping or reinstallation. This limited Warranty does not cover faults in design or installer error such as reverse polarity or misuse of system wide equipment or inaccurate programming of all ancillary equipment in your system.

This Limited Warranty applies only to a SimpliPhi Power Product:

- a) purchased from SimpliPhi Power Inc. or an authorized SimpliPhi Power distributor, dealer or reseller and
- b) installed by a licensed professional. In the event you rent or lease the SimpliPhi Power Product, no end-user purchase takes place; therefore, this Limited Warranty does not apply and you must contact your rental or leasing company to determine whether Warranty coverage is applicable.

The liability of SimpliPhi Power under this Limited Warranty shall be limited to the repair or replacement of the SimpliPhi Power Product, at SimpliPhi Power’s sole discretion. If the SimpliPhi Power Product is found to be defective as a result of any manufacturing defect in materials and workmanship during the Limited Warranty Period, SimpliPhi Power will, at its sole discretion either (i) repair the SimpliPhi Power Product or (ii) replace the SimpliPhi Power Product. If a SimpliPhi Power Product is replaced, that SimpliPhi Power Product will become the property of SimpliPhi Power and must be returned to SimpliPhi Power free of any third-party ownership claims. The Warranty period of any repaired SimpliPhi Power Product or its replacement is twelve (12) months from the date of shipment from SimpliPhi Power, or the remaining term of the Limited Warranty Period, whichever is greater.



**CAUTION:** Circuit Breakers, Disconnects and Fuses should be employed throughout several points of a Power storage and generation installation to effectively isolate and protect all components of the system to safeguard against faults, short circuits, 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 PHI Battery contains both an 80 Amp circuit breaker and an internal BMS with circuitry that protects the Lithium Ferrous Phosphate cells from overcharge, over-discharge and excessive load amperage, the PHI Batteries must always be installed with a charge controller and the appropriate settings to protect the PHI from open PV voltage and other high voltage charging sources. The PHI Battery Management System (BMS) and internal circuit breaker alone will not protect the PHI batteries from these extreme electrical phenomena. Failure to adhere to installation protocol will void the Warranty. To obtain maximum lifetime capacity (cycle life), a properly sized bank will operate at an average maximum output not to exceed C/2 (refer to other limitations as identified herein for each model). Ensure the size of the bank is greater than twice the kW load.



**CAUTION: Verify polarity at all connections with a standard volt meter before**

- 1.) Energizing the system and
- 2.) Turning the PHI 80 Amp breaker “ON/OFF” switch to the “ON” position. Reverse polarity at the battery terminals will void the Warranty and destroy the batteries.



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

## SimpliPhi Power Guide for Operating Parameters

Although SimpliPhi batteries are capable of performing at very high rates and depths of discharge within a very wide temperature range, in order to achieve extended life cycles and to comply with the Warranty, the following guidelines should be followed:

**Table 1.0**

Operating Parameters for 10 Year Warranty						
Equivalent to 80% Retained Capacity	10,000 cycles	5,000 cycles	3,500 cycles			
Discharge/Charge Rate <sup>1,2</sup>	C/2					
Depth of Discharge (DoD) <sup>4</sup>	80%	90%	100%			
Operating Temperature °F (°C)	32 to 110 (0 to 43)	32 to 120 (0 to 49)	32 to 120 (0 to 49)			
Programming Settings for Ancillary Equipment						
PHI Battery Voltage	24V	48V	24V	48V	24V	48V
Absorb / High Cut-Off Voltage (V) <sup>3</sup>	28	56	28.8	57.6	28.8	57.6
Recharge / Low Cut-Off Voltage (V) <sup>3</sup>	25.1	50.2	24.8	49.6	24	48

<sup>1</sup>Continuous charge/discharge rate limitations vary per PHI battery model. See table 2 below

<sup>2</sup>60A Discharge Rate (10 minutes maximum)

<sup>3</sup>Levels are typically @ 25°C and may need adjusting at temperature extremes.

<sup>4</sup>When performing rapid deep charge/discharge cycles, the battery should be allowed to "rest" 15 mins in between.

**Table 2.0**

Operating Limitations				
Battery Model	PHI 2.7		PHI 3.5	
	24V	48V	24V	48V
Battery Voltage				
Continuous Discharge Rate (A)	50	26	60	34
Continuous Charge Rate (A)	45	26	45	34

## Obtaining Warranty Service

In order to activate this Limited Warranty, the attached Limited Warranty Registration Form must be completed and forwarded to SimpliPhi Power pursuant to the instructions set forth in the Limited Warranty Registration Form. This Limited Warranty applies only to the SimpliPhi Power 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.

To request warranty service, your installer/distributor/supplier must contact SimpliPhi Power in writing within the Limited Warranty Period. Either SimpliPhi Power or its authorized representative will attempt to troubleshoot the SimpliPhi Power Product at the Original Use Location in order to determine whether the SimpliPhi Power Product is defective. If SimpliPhi Power determines that warranty service is required, SimpliPhi Power will issue a Return Material Authorization ("RMA") number. A request by you for an RMA number must be made through [RMA@SimpliPhiPower.com](mailto:RMA@SimpliPhiPower.com) and requires that you provide in writing to SimpliPhi Power all of the following information:

- Proof of date and place of purchase in the form of a copy of the purchase invoice for the original SimpliPhi Power Product;
- The SimpliPhi Power Product model number and serial number;
- Description of the problem; and
- Shipping address for the repaired or replaced equipment.

After receiving the RMA number, you must pack the SimpliPhi Power Product authorized for return, along with the information described above, in the original SimpliPhi Power Product shipping container or packaging providing equivalent protection with the RMA number marked clearly on the shipping container(s). You must prepay all shipping charges covering shipment to the location designated by SimpliPhi Power, and you must insure the shipment, or accept the risk of loss or damage during shipment. SimpliPhi Power is not responsible for shipping damage caused by an improperly packaged SimpliPhi Power Product, the repairs this damage might require, or the cost of these repairs.

If, upon receipt of the SimpliPhi Power Product, SimpliPhi Power determines the SimpliPhi Power Product is defective and that the defect is covered under the terms of this Limited Warranty, SimpliPhi Power will then and only then ship a replacement. The SimpliPhi Power Product will be sent to you (subject to receipt of pro-rated payment, where applicable), freight prepaid, non-expedited, using a carrier of SimpliPhi Power's choice for shipment.

## Exclusions and Limitations

This Limited Warranty does not apply to the SimpliPhi Power Product or any SimpliPhi Power Product part (i) if the SimpliPhi Power Product has logged in excess of 10,000+ cycles or a period of 10 years or (ii) if the SimpliPhi Power Product or any SimpliPhi Power Product part has been modified or damaged by the following:

- 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
- Lightning
- Operation Contrary to Manufacturer Product Instructions
- Fire, Flood or Acts of God
- Excessive Heat or Cold Conditions
- Water Damage
- Shipping or Transportation
- 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.
- Any Product Whose Serial Number has been Altered, Defaced or Removed
- Operation in a Non-Intended Use, or a Use Which Exceeds the Recommended or Permitted Limits or Loads of the SimpliPhi Power Product.

THIS LIMITED WARRANTY IS THE EXCLUSIVE WARRANTY APPLICABLE TO THE SIMPLIPHI POWER PRODUCT. SIMPLIPHI POWER EXPRESSLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTIES OF THE SIMPLIPHI POWER 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.

SIMPLIPHI POWER 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 SIMPLIPHI POWER PRODUCT NOT BEING AVAILABLE FOR USE OR LOST REVENUES OR PROFITS, EVEN IF SIMPLIPHI POWER 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 SimpliPhi Power 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 with its terms.

## Consumer Protection and Other Laws May Apply

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Some

states may provide for additional warranty rights and remedies, and the provisions contained in this Limited Warranty are not intended to limit, modify, take away from, disclaim or exclude any mandatory Warranty requirements provided by states, including certain implied Warranties. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. **Your acceptance and use of the SimpliPhi Power Product constitutes acceptance of the terms, conditions and limitations of this Limited Warranty.** The terms, conditions and limitations of this Limited Warranty will supersede any other agreement or document relating to the subject matter hereof, including, but not limited to, the terms and conditions that are part of a purchase order covering the SimpliPhi Power Product or other document sent to SimpliPhi Power by you relating to the SimpliPhi Power Product.

## Contacting SimpliPhi

**To obtain Warranty service, please contact us as follows:**

SimpliPhi Power, Inc.  
420 Bryant Circle  
Ojai, California, 93023  
805.640.6700

[support@simpliphipower.com](mailto:support@simpliphipower.com)

**For technical support, please contact us as follows:**

805.640.1874

[techsupport@simpliphipower.com](mailto:techsupport@simpliphipower.com)

**Instructions for Warranty registration:**

**Please fill out the attached form, detach, affix First Class postage, include your return address, fold and tape shut with clear tape on bottom and sides before mailing. We recommend you keep a copy of your completed Warranty Registration Form for your records. This form is for product registration. Failure to complete and return the form does not diminish the consumer's warranty rights.**

# SimpliPhi Power Warranty Registration

## Customer Information

Name: \_\_\_\_\_

Address of Installation: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Product Model: \_\_\_\_\_

Quantity: \_\_\_\_\_ Date of Installation: \_\_\_\_\_ Date of Commissioning: \_\_\_\_\_

Serial Numbers:

1. \_\_\_\_\_ 8. \_\_\_\_\_ 15. \_\_\_\_\_

2. \_\_\_\_\_ 9. \_\_\_\_\_ 16. \_\_\_\_\_

3. \_\_\_\_\_ 10. \_\_\_\_\_ 17. \_\_\_\_\_

4. \_\_\_\_\_ 11. \_\_\_\_\_ 18. \_\_\_\_\_

5. \_\_\_\_\_ 12. \_\_\_\_\_ 19. \_\_\_\_\_

6. \_\_\_\_\_ 13. \_\_\_\_\_ 20. \_\_\_\_\_

7. \_\_\_\_\_ 14. \_\_\_\_\_ 21. \_\_\_\_\_

For orders that exceed (21) PHI2.7™ or PHI3.5™ batteries please provide Serial Numbers on a separate page.

Date of Purchase: \_\_\_\_\_

First time Purchase, Replacement or Additional? \_\_\_\_\_

Where did you purchase this product? \_\_\_\_\_

Company Name of Licensed Installer: \_\_\_\_\_

### Licensed Installer Contact Information:

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



SimpliPhi Power, Inc.  
420 Bryant Circle  
Ojai, California, 93023

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