

# CERTIFICATION FOR LITHIUM BATTERY

## TRANSPORTATION CERTIFICATE

Concerning the transport according to the dangerous goods regulations of the different transport modes as in force since January, 1st 2003 and changes effective from 2015

WE HEREWITH CERTIFY THAT EACH BATTERY OF THIS TYPE IS PROVED TO MEET THE REQUIREMENTS OF EACH APPLICABLE TEST IN THE UN MANUAL OF TESTS AND CRITERIA, PART III, SUB-SECTION 38.3, REV. 5, AMEND. 2

<b>CERTIFICATE/REPORT NO.:</b>	<b>BU-2015-03298-0-UN</b>
<b>UN No. / Shipping name:</b>	<b>UN 3480 LITHIUM ION BATTERY UN 3481 LITHIUM ION BATTERY packed with equipment / contained in equipment</b>
<b>Certified Product:</b>	<b>LITHIUM ION BATTERY (rechargeable)</b>
<b>Model Designation:</b>	<b>LiFePO4 60Ah (12.8V/60Ah)</b>
<b>Article Number:</b>	BAT512600500/ BAT512600400
<b>Certificate Holder:</b>	<b>Victron Energy B.V.</b> De Paal 35 · NL-1351 JG Almere-Haven · Netherland


<b>PERFORMED TESTS</b>	<b>RESULTS</b>
38.3.4.1 <b>Test 1: Altitude Simulation</b>	<b>passed</b>
38.3.4.2 <b>Test 2: Thermal Test</b>	<b>passed</b>
38.3.4.3 <b>Test 3: Vibration</b>	<b>passed</b>
38.3.4.4 <b>Test 4: Shock</b>	<b>passed</b>
38.3.4.5 <b>Test 5: External Short Circuit</b>	<b>passed</b>
38.3.4.6 <b>Test 6: Impact/Crush</b>	<b>not applicable</b>
38.3.4.7 <b>Test 7: Overcharge</b>	<b>passed</b>
38.3.4.8 <b>Test 8: Forced Discharge</b>	<b>not applicable</b>

▶ **Watt-hour rating of the battery: 768,00 Wh** ◀



As the Watt-hour rating of the battery is more than 100 Wh, this lithium ion battery has to be declared and shipped as **DANGEROUS GOODS "Class 9"**. According to Packing Instruction 965 (UN 3480) or 966/967 (UN 3481), Section I – Fully Regulated Class 9 Lithium Ion Cells and Batteries - of the IATA-DGR and Packing Instruction P903 of the ADR and IMDG Code. ▶ **THE DANGEROUS GOODS LABEL "CLASS 9" IS REQUIRED** ◀

13.Jul.2015  
Date of issue

  
Signature: Sven Bauer, CEO

**www.battery  
university.eu**  
batteryuniversity.eu GmbH  
Am Sportplatz 30 · 63791 Karlstein (Main)  
Tel. +49(0)6188 99 410-0 · Fax 99 410-20  
mail@batteryuniversity.eu · www.batteryuniversity.eu