

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

CERTIFICATE/REPORT NO.:	BU-2014-02482-0-UN
UN No. / Shipping name:	UN 3480 LITHIUM ION BATTERY UN 3481 LITHIUM ION BATTERY packed with equipment / contained in equipment
Certified Product:	LITHIUM ION BATTERY (rechargeable)
Model Designation:	LiFePO4 160Ah (12.8V/160Ah)
Article Number:	BAT512161400
Certificate Holder:	Victron Energy B.V. De Paal 35 · NL-1351 JGAlmere-Haven · Netherland

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

▶ Watt-hour rating of the battery: 2.048,00 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◀

25.Feb.2015

Date of issue

Signature: Sven Bauer, CEO

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The regulation listed here reflects the status at the time of the release of this certificate.