

# CERTIFICATE OF ACCREDITATION

## **ANSI-ASQ National Accreditation Board**

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

# Mobile Power Solutions 6260 SW Arctic Drive Beaverton, OR 97005

has been assessed by ANAB and meets the requirements of international standard

# ISO/IEC 17025:2017

while demonstrating technical competence in the field of

## **TESTING**

Refer to the accompanying Scope of Accreditation for information regarding the types of tests to which this accreditation applies.

AT-2630
Certificate Number

ANAB Approval

Certificate Valid: 10/24/2018-10/24/2020 Version No. 001 Issued: 10/24/2018





### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### **Mobile Power Solutions**

6260 SW Arctic Drive
Beaverton, OR 97005
Shauna Wilson
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### **TESTING**

Valid to: October 24, 2018 Certificate Number: AT-2630

#### **Electrical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
UN Transportation Testing for Lithium Batteries	UN / DOT 38.3, Sections 38.3.3 Preconditioning (Battery Cycling), 38.3.4.1, T1 Altitude Simulation, 38.3.4.2, T2 Thermal Test (Temperature Cycling), 38.3.4.3, T3 Vibration, 38.3.4.4, T4 Mechanical Shock, 38.3.4.5, T5 External Short Circuit, 38.3.4.6, T6 Impact, 38.3.4.7, T7 Overcharge, 38.3.4.8, T8 Forced Discharge	Cells and Batteries	Measurements: Digital Multimeter, Scale with weights Temperature meter with Data Logger  Conditionings: Low Pressure Chamber Vibration Shaker Shock Generator Compression Devices
Safety of Primary and Secondary Lithium Cells and Batteries During Transport	IEC 62281, Edition 2 & 3, Sections 6.4.1 Altitude Simulation, 6.4.2 Thermal Cycling 6.4.3 Vibration, 6.4.4 Shock, 6.4.5 External Short Circuit, 6.4.6 Impact/crush, 6.5.1 Overcharge, 6.5.2 Forced Discharge, 6.6.1 Drop Test		Thermal Chambers Resistor Boxes Power Supply Metering Stick Concrete Floor





#### **Electrical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Secondary Cells and batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made From Them, for Use in Portable Applications	IEC 62133 First Edition and IEC 62133:2012, UL 62133:2017 Edition 2, IEC 62133-2:2017, Insulation and Wiring, Continuous Charging, Low Rate Charging, Vibration, Molded Case Stress, Temperature Cycling, External Short Circuit, Free Fall, Mechanical Shock, Thermal Abuse, Thermal abuse, Crushing of Cells, Low pressure, Over-charging, Forced discharge	Cells and Batteries	Measurements: Digital Multimeter, Scale with weights Temperature meter with Data Logger  Conditionings: Low Pressure Chamber
Minimum Operational Performance Standards for Lithium Batteries	RTCA DO-227, RTCA DO-227A, TSO-C142a	Companie Danories	Vibration Shaker Shock Generator Compression Devices
Minimum Operational Performance Standards for Rechargeable Lithium Batteries and Battery Systems	RTCA DO-311, RTCA DO-311A, TSO-C142a		Thermal Chambers Resistor Boxes Power Supply Metering Stick Concrete Floor
Standard for Safety for Lithium Batteries	UL 1642		Concrete Proof
Standard for Household and Commercial Batteries	UL 2054		
Information Technology Equipment – Safety – Part 1: General Requirements	UL 60950-1 / CSA-C22.2		

#### Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2630.



