



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MOBILE POWER SOLUTIONS, INC.
6260 SW Arctic Drive
Beaverton, OR 97005
Shauna Wilson Phone: 503 645 6789

ELECTRICAL

Valid to: October 31, 2018

Certificate Number: 3048.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform regulatory testing of cells and batteries:

Test Method(s):

Test Name:

UL 1642

Standard for Safety for Lithium Batteries

UL 2054

Household and Commercial Batteries

UL 2271

Standard for Safety - Batteries for use in
Light Electric Vehicle (LEV) Applications

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UN DOT:

Section 38.3.3
Section 38.3.4.1
Section 38.3.4.2
Section 38.3.4.3
Section 38.3.4.4
Section 38.3.4.5
Section 38.3.4.6
Section 38.3.4.7
Section 38.3.4.8

Preconditioning (Battery Cycling)
T1 Altitude Simulation
T2 Thermal Test (Temperature Cycling)
T3 Vibration
T4 Mechanical Shock
T5 External Short Circuit
T6 Impact
T7 Overcharge
T8 Forced Discharge

IEC 62133 Edition 1 and 2

Insulation and Wiring
Continuous Charging
Low Rate Charging
Vibration
Moulded Case Stress
Temperature Cycling
External Short Circuit
Free Fall
Mechanical Shock
Thermal Abuse
Crushing of Cells

Test Method(s):

IEC 62133 Edition 1 and 2
(continued)

IEC 62281 Edition 2:

Section 6.4.2
Section 6.4.2
Section 6.4.3
Section 6.4.4
Section 6.4.5
Section 6.4.6
Section 6.5.1
Section 6.5.2
Section 6.6.1

IEEE 1725

IEC 61960

RTCA DO-227

RTCA DO-311

Test Name:

Low Pressure
Overcharge
Forced Discharge
Cell Protection Against High Charge Rate
Incorrect Insulation

Altitude Simulation
Thermal Cycling
Vibration
Shock
External Short Circuit
Impact
Overcharge
Forced Discharge
Drop Test

CTIA Certification Requirements for Battery System
Compliance to IEEE Standard for Rechargeable Batteries
for Cellular Telephones

Secondary Lithium Cells and Batteries for Portable
Applications

Minimum Operational Performance Standards for Primary
Lithium Cells / Batteries used in Aircraft

Minimum Operational Performance Standards for
Rechargeable Lithium Battery Cells / Battery Systems
used in Aircraft
*(excluding Electrical Test for Active Electronic
Components, Lighting Transients Protection, Software
and Hardware Requirements, Fungus Resistance, and
Salt Fog/Salt Spray)*

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Accredited Laboratory

A2LA has accredited

MOBILE POWER SOLUTIONS, INC.

Beaverton, OR

for technical competence in the field of

Electrical Testing

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This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 28th day of September 2016.

A handwritten signature in black ink, appearing to read "L. Sen", written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3048.01
Valid to October 31, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.