



Transport
Canada
Safety and Security

Transports
Canada
Sécurité et sûreté

Transport Dangerous
Goods Directorate
330 Sparks Street
Ottawa, Ontario K1A 0N5

Direction générale du transport
des marchandises dangereuses
330, rue Sparks
Ottawa (Ontario) K1A 0N5

Equivalency Certificate
(APPROVAL ISSUED BY THE COMPETENT AUTHORITY OF CANADA)

Certificate No.: SU 10607 (Ren. 2)
Certificate Holder: Tesla Motors Canada, Inc.
Mode of Transport: Road, Rail, Marine, Air
Issue Date: February 26, 2013
Expiry Date: February 28, 2015

CONDITIONS

ROAD, RAIL, MARINE

1. This Equivalency Certificate authorizes Tesla Motors Canada, Inc., to handle, offer for transport or transport, and authorizes any person to handle or transport on behalf of the certificate holder by road or railway vehicle, or by ship on a domestic voyage, dangerous goods that are LITHIUM ION BATTERIES, Class 9, UN3480, Packing Group II, in a manner that does not comply with section 5.12 and special provision 34 of Schedule 2 of the *Transportation of Dangerous Goods Regulations*, under the following conditions:

- (a) each cell and battery have been determined to meet the criteria for assignment to Class 9 on the basis of tests carried out in accordance with the *Recommendations on the Transport of Dangerous Goods - Manual of Tests and Criteria*, Part III, subsection 38.3;
- (b) each cell or battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of transport;
- (c) each cell or battery is equipped with an effective means of preventing external short circuits;

Equivalency Certificate
(APPROVAL ISSUED BY THE COMPETENT AUTHORITY OF CANADA)
SU 10607 (Ren. 2)

CONDITIONS

ROAD, RAIL, MARINE

- (d) each battery containing cells or series of cells connected in parallel is equipped with effective means as necessary to prevent dangerous reverse current flow (e.g., diodes, fuses, etc.);
- (e) the batteries are transported in a strong outer packaging in strong outer packagings or protective enclosures (e.g., in fully enclosed or wooden slatted crates) or on pallets;
- (f) the mass of one battery assembly, as packaged for transport, is less than or equal to 1000 kg;
- (g) the state of charge (SOC) of the battery must be less than or equal to 50% of the maximum capacity of the battery;
- (h) the shipping document that accompanies the dangerous goods includes the following information legibly and indelibly printed:

“Equivalency Certificate No. SU 10607 (Ren. 2)”

Equivalency Certificate
(APPROVAL ISSUED BY THE COMPETENT AUTHORITY OF CANADA)
SU 10607 (Ren. 2)

CONDITIONS

AIR

2. This Equivalency Certificate authorizes Tesla Motors Canada, Inc., to handle, offer for transport or transport and authorizes any person to handle or transport on behalf of the certificate holder, by cargo aircraft, dangerous goods that are LITHIUM ION BATTERIES, Class 9, UN3480, Packing Group II, in accordance with Special Provision A99 and Packing Instruction 965, Chapter 2 of Part 3 of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air*, referenced in section 12.1 of the *Transportation of Dangerous Goods Regulations*, under the following conditions:

- (a) each cell and battery have been determined to meet the criteria for assignment to Class 9 on the basis of tests carried out in accordance with the *Recommendations on the Transport of Dangerous Goods - Manual of Tests and Criteria*, Part III, subsection 38.3;
- (b) the mass of one battery, as packaged for transport, is less than or equal to 1000 kg;
- (c) each cell or battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of transport;
- (d) each cell or battery is equipped with an effective means of preventing external short circuits;
- (e) each battery containing cells or series of cells connected in parallel is equipped with effective means as necessary to prevent dangerous reverse current flow (e.g., diodes, fuses, etc.);
- (f) the dangerous goods are transported in a strong outer packaging that meets the requirements of Section I of Packing Instruction 965 of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air*;

Equivalency Certificate
(APPROVAL ISSUED BY THE COMPETENT AUTHORITY OF CANADA)
SU 10607 (Ren. 2)

CONDITIONS

AIR

- (g) the state of charge (SOC) of the battery must be less than or equal to 25% of the maximum capacity of the battery;
- (h) a paper or electronic copy of this Equivalency Certificate accompanies the dangerous goods;
- (i) the shipping document that accompanies the dangerous goods includes the following information legibly and indelibly printed:

“Equivalency Certificate No. SU 10607 (Ren. 2)”

Note: The issuance of this Equivalency Certificate in no way reduces the certificate holder's responsibility to comply with any other requirements of the *Transportation of Dangerous Goods Regulations*, the *Technical Instructions for the Safe Transportation of Dangerous Goods by Air*, the *International Maritime Dangerous Goods Code*, and the *Canadian Aviation Regulations* not specifically addressed in this certificate.

Signature of Issuing Authority

Original signed by

David Lamarche P. Eng., ing.
Chief
Permits and Approvals Division

Equivalency Certificate
(APPROVAL ISSUED BY THE COMPETENT AUTHORITY OF CANADA)
SU 10607 (Ren. 2)

(The following is for information purposes only and is not part of the certificate.)

Contact Person: Kurt Kelty
Director, Battery Technology
Tesla Motors
181 Bay Street, Suite 2100
Toronto ON M5J 2T3

Telephone: 650-681-5330
E-mail: kurt@teslamotors.com

Explanatory Note

This Equivalency Certificate authorizes the certificate holder to transport LITHIUM ION BATTERIES, Class 9, UN3480, Packing Group II, having a mass of 12 kg or greater and having a strong, impact resistant outer casing, or assemblies of such batteries, in strong outer packagings or protective enclosures (e.g., in fully enclosed or wooden slatted crates) or on pallets.

This Equivalency Certificate is issued by the Competent Authority of Canada in accordance with Special Provision A99 of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air*.

Legend for Certificate Number

SH - Road, SR - Rail, SA - Air, SM - Marine
SU - More than one Mode of Transport
Ren. - Renewal