

Announcing: Publish of UL2202 ed3/ CSA C22.2 No.346

	Standard Number	Standard Title	Effective Date	Apply By Date	Class Numbers	Notice Title	Supersedes/ Supplements
	UL2202 ed3/ CSA C22.2 No.346	DC Charging Equipment for Electric Vehicles	Jun 15, 2026	Dec 15, 2025	5311 12, 5311 92	Power Supplies No. 42	N/A

DETAILS

Standard:

UL2202 ed3/ CSA C22.2 No.346

DC Charging Equipment for Electric Vehicles

Programs:

UL2202/CSA C22.2 No.346 is a harmonized standard for both US and Canada.

In US, it's the third edition of UL2202. Second edition of UL2202 covers both on-board and off-board DC EV charger. However, in the third edition, the requirements of on-board charger have been deleted.

In Canada, it's the first edition of CSA C22.2 No.346. In the past, for off-board DC EV Charger, CSA C22.2 No.107.1 applies. There is so far no standard in Canada covers on-board EV charger.

Who is affected:

Manufacturers of only off-board DC Charging Equipment for Electric Vehicles are affected by this Notice.

Manufacturers of on-board DC Charging Equipment for Electric Vehicles remain subject to requirements from UL 2202 – Edition 2 for US market.

There is so far no standard in Canada covers on-board EV charger, then no on-board EV charger manufactures are affected for Canada market.

Standard Publication Date:

Dec 15, 2022

The standard edition or amendments announced in this Action Notice may be used for CSA certification as of the issue date of this document.

Apply By Date:

Dec 15, 2025

The date by which currently certified clients need to apply to CSA so that they have sufficient time to have their products evaluated to the new requirements. Clients that have not initiated a project by the apply by date may risk a period of time in which products are not certified.

Action Notice Effective Date:

Jun 15, 2026

The date on which the current requirements expire, and the standard edition or amendments announced in this Notice become the only requirements that can be used for certification.

View my Listings:

Click on the unique link provided in the email that shows your listed products.

Or enter your Master Contract # and the class numbers associated with this Notice to determine which of your products are affected at

<https://www.csagroup.org/testing-certification/product-listing/>

NEXT STEPS:

Already Certified:

Please provide a response for your affected certified listings by clicking on the unique link provided in the CSA Group Certification Notice email.

If you have any questions or are looking for Certification:

Please contact your CSA Customer Care Manager, Rick Chernoff, at Rick.Chernoff@csagroup.org

TECHNICAL SUMMARY:**Overview of changes:**

For Canada, this is the first edition of DC EV charger.

For US, this is the third edition with below changes:

1. Increase of system voltage.
2. Delete of on-board charger requirements.
3. Add of Annex C LIQUID COOLED CHARGER SYSTEMS.

Effect on Approvals:

Details of Affected Class Numbers can be found in Table 1.

Details of Revised Requirements can be found in Table 2.

TABLE 1 – AFFECTED CLASS NUMBERS

Class Number	Title
5311 12	POWER SUPPLIES - Systems Equipment for Electric Vehicles
5311 92	POWER SUPPLIES - Electric Vehicle Chargers/Systems - Certified to US Standards

TABLE 2 – MAJOR REVISIONS

Clause(s)	Changes
1	System voltage has been increased to 1000V ac or 1500V dc.
2	Removal of unused glossary terms, add of new definitions.
6	Rating requirements have been modified.
5.3, 14.4.2.1, 14.4.2.5, 15, 16.1, 18, 19, 57.1, 76.2.10.	Some requirements have been added to address specific requirements in Canada.
28	Clause 28 Motors has been deleted.
16.1.2 to 16.1.4	Requirements of output cable have been modified.
16.1.5	Requirements of length of cable have modified.
16.2	Ventilation requirements have been modified.
29	Overcurrent protection requirements have been modified.
36.9 to 36.11	Requirement of Protection of Service Personnel have been updated.
53.5	53.5 Overcharge test has been deleted.
56	New test which is introduced from UL2594/CSA280
57.2	New test which is introduced from UL2594/CSA280
53.11	Absence of cooling means test has been deleted.
48	Similar as clause 49 in previous version with some modifications.
59	Torque requirement has been increased.
81 to 84	Requirements of on-board units have been deleted. Requirements of outdoor use unit have been moved to main parts.
Supplement SA	Requirements of on-board chargers have been deleted.
Annex C	New requirements of LIQUID COOLED CHARGER SYSTEMS
Marking and Labeling	Some of the Marking and labeling requirements have been modified.