UL 2594

STANDARD FOR SAFETY

Electric Vehicle Supply Equipment

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UL Standard for Safety for Electric Vehicle Supply Equipment, UL 2594

Second Edition, Dated December 21, 2016

Summary of Topics

This Second Edition of the Standard for Electric Vehicle Supply Equipment, UL 2594, is being issued to incorporate the following:

1. Addition of Definition for Output Cable to the Electric Vehicle

2. Revision to the Definition for EVSE

3. Revision to the Mold Stress-Relief Distortion Test

4. EVSE with Smart Grid Capability

5. Addition of 50 Hz Ratings in the Scope

6. Revision of Scope to Exclude Wireless Charging

7. Revisions to Clarify that the Definitions Apply to All Vehicle Technologies

8. Editorial Changes to the Definitions

9. Editorial Clarifications to the Description of Products

10. Reversal of Cord Length Requirements

11. Addition of Reference Pointers to Section 28, Overcurrent Protective Devices

12. Changes to Product Designations

13. Clarification of Requirements for Products Intended for Use in Commercial Garages

14. Editorial Corrections

15. Deletion of Section 70

16. Revision to the Definition of Electric Vehicle to Include Motorcycles

17. Revision of Requirements for Overcurrent Protective Devices

18. Additional Reference to CSA C22.2 No. 0

19. Revision to Requirements for the Fastening in Place of Cord-Connected Products Rated Higher than 125 V ac

20. Deletion of Required Extra Hard Usage Flexible Cord for EV Cord Sets Designated for Use in Classified Areas

21. Revision to Require Nonlocking Plug Types to be Used for Cord- and Plug-Connected Products

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The new requirements are substantially in accordance with Proposal(s) on this subject dated August 28, 2015 and July 15, 2016.

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CSA Group
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Underwriters Laboratories Inc.
UL 2594
Second Edition

Standard for Electric Vehicle Supply Equipment

December 21, 2016

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This ANSI/UL Standard for Safety consists of the Second Edition. The most recent designation of ANSI/UL 2594 as an American National Standard (ANSI) occurred on December 21, 2016. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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