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PROFESSIONAL STANDARD OF THE PEOPLE'S

REPUBLIC OF CHINA

中华人民共和国汽车行业标准

QC/T 895-2011

**On-board conductive charger for electric
vehicles**

电动汽车用传导式车载充电机

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The Ministry of Industry and Information Technology has approved 1081 professional standards such as "Water Cooled Tubular Heat Exchangers" (standard number, name, main content and implementation date are detailed in Attachment 1) and 19 non-ferrous and metallurgy professional standard samples (see Attachment 2), including: 258 chemical industry professional standards, 7 petrochemical professional standards, 43 metallurgy professional standards (including 11 standard samples), 148 non-ferrous professional standards (including 8 standard samples), 92 building material professional standards, 11 rare earth professional standards, 3 gold professional standards, 85 textile professional standards, 125 light industry professional standards, 49 automobile professional standards, 177 machinery professional standards and 102 communication professional standards, and announces them now.

The above chemical industry professional standards are published by Chemical Industry Press; the petrochemical professional standards are published by Sinopec Press; the metallurgy professional standards are published by Metallurgical Industry Press; the non-ferrous, gold, rare earth and textile professional standards are published by China Standards Press; the building material professional standards are published by China Building Materials Press; the light industry professional standards are published by China Light Industry Press; the machinery professional standards are published by China Machine Press; the automobile professional standards are published by China Planning Press; and the communication professional standards are published by Posts & Telecom Press.

Attachment: Number, Name and Implementation Date of 49 Automobile Professional Standards

Ministry of Industry and Information Technology of the People's Republic of China

December 20, 2011

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Foreword

This standard is drafted in compliance with the rules in GB/T 1.1-2009.

This standard is proposed by and under the jurisdiction of the National Technical Committee on Road Vehicles of Standardization Administration of China (SAC/TC 114).

Drafting organizations of this standard: Shenzhen BYD Company Limited, China Automotive Technology & Research Center, Tianjin Qingyuan Electric Vehicle Co., Ltd, Chery Automobile Co., Ltd, Beijing Institute of Technology, Beijing Jiaotong University, Beiqi Foton Motor Co., Ltd, Chongqing Changan New Energy Automobile Co., Ltd, Wanxiang EV Co., Ltd and Tianjin Lishen Battery Joint-stock Co., Ltd.

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Conduction type on-board charger for electric automobile

1 Scope

This standard specifies the basic structure, parameters, requirements, test methods, inspection rules and markings, packaging, transport and storage of the electric automobile conduction type on-board charger (hereinafter referred to as on-board charger).

This standard applies to the on-board charger used for the blade electric vehicles and the external rechargeable hybrid electric vehicles which can be connected to a charger outside.

2 Normative References

The following standards contain provisions which, through reference in this standard, constitute provisions of this standard. For the dated references, all the subsequent amendment lists (excluding the content of corrigendum) or revisions do not apply to this standard; however, the involved parties concluding agreements based on this standard are encouraged to investigate the possibility of applying the latest editions of the standards indicated below. For the undated references, the latest edition applies to this standard.

GB 191 Packaging - Pictorial markings for handling of goods (eqv ISO 780)

GB/T 2423.17 Basic environmental testing procedures for electric and electronic products - Test Ka: Salt mist

GB 4208-2008 Degrees of protection provided by enclosure(IP code)

GB/T 15139-1994 General technical standard for electrical equipment structure

GB 17625.1-2003 Electromagnetic compatibility-Limits - Limits for harmonic current emissions (equipment input current $\leq 16A$ per phase)

GB/Z 17625.6-2003 Electromagnetic compatibility--Limits--Limitation of emission of harmonic currents in low-voltage power supply systems for equipment with rated current greater than 16A

GB/T 18384.3-2001 Electric vehicles-Safety specification-Part 3: Protection of persons against electric hazards

GB/T 18487.1 Electric vehicle conductive charging system--Part 1: General requirements

GB/T 18487.3 Electric vehicle conductive charging system A.C./D.C. Electric vehicle charging station

GB/T 18488.1-2006 The electrical machines and controllers for electric vehicles - Part 1: General specification

GB/T 19596 Terminology of electric vehicles

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