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PUBLICLY AVAILABLE SPECIFICATION

Conductive charging of electric vehicles – DC vehicle coupler configuration GG

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CONTENTS

FOREWORD 3
1 Scope 6
2 Normative references 6
3 Terms and definitions 6
4 General 6
5 Ratings 6
6 Connection between the power supply and the electric vehicle 7
7 Classification of accessories 8
8 Marking 8
9 Dimensions 8
10 Protection against electric shock 9
11 Size and colour of earthing conductors 9
12 Provisions for earthing 9
13 Terminals 9
14 Interlocks 9
15 Resistance to ageing of rubber and thermoplastic material 9
16 General construction 9
17 Construction of socket-outlets 9
18 Construction of plugs and vehicle connectors 9
19 Construction of vehicle inlets 9
20 Degrees of protection 9
21 Insulation resistance and dielectric strength 9
22 Breaking capacity 10
23 Normal operation 10
24 Temperature rise 10
25 Flexible cables and their connection 10
26 Mechanical strength 10
27 Screws, current-carrying parts and connections 10
28 Creepage distances, clearances and distances through sealing compound 10
29 Resistance to heat, to fire and to tracking 10
30 Corrosion and resistance to rusting 10
31 Conditional short-circuit current 10
32 Electromagnetic compatibility 10
33 Vehicle driveover 11
34 Thermal cycling 11
35 Humidity exposure 11
36 Misalignment test 11
37 Contact endurance test 11
STANDARD SHEETS 12

Table 201 – Overview of the DC vehicle interface 7
Table 202 – Interface overview 8

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CONDUCTIVE CHARGING OF ELECTRIC VEHICLES – DC VEHICLE COUPLER CONFIGURATION GG

FOREWORD

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IEC PAS 63454 has been processed by subcommittee 23H: Plugs, Socket-outlets and Couplers for industrial and similar applications, and for Electric Vehicles, of IEC technical committee TC 23: Electrical accessories.

The text of this PAS is based on the following document:	This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document:
Draft PAS	**Report on voting**
23H/509/DPAS	23H/514A/RVDPAS

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This PAS is to be read in conjunction with IEC 62196-1:2022 and IEC 62196-3:2022.

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INTRODUCTION

A total of four widely used DC charging interfaces is defined in IEC 62196-3:2022 as follows:

- configuration AA proposed by Japan,
- configuration BB proposed by China,
- configuration EE proposed by North America, and
- configuration FF proposed by Europe.

This PAS introduces the charging interface (configuration GG), a new electric vehicle DC charging system jointly developed by some Chinese, Japanese and European companies. This interface is currently included in the Chinese draft national standard and in the Japanese standard and has considerable potential for future applications.

After consideration within SC 23H/MT 8 (in charge of the maintenance of the IEC 62196 series) and noting that the next revision of IEC 62196-3:2022 will come up after a longer period, it was agreed to issue configuration GG in a first stage in the form of an IEC PAS. The addition of configuration GG into IEC 62196-3 will be considered in the frame of the next revision of IEC 62196-3.