



Jonhon electrical vehicle BD



Charging Connector

EUR、US Charging Connector

EUR Charging Connector



US Charging Connector



GB AC Charging plug

mode2

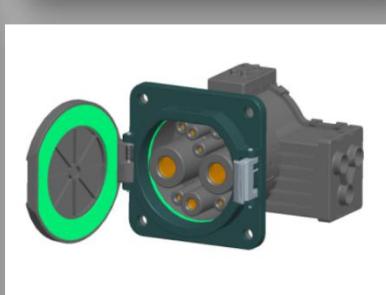
mode3



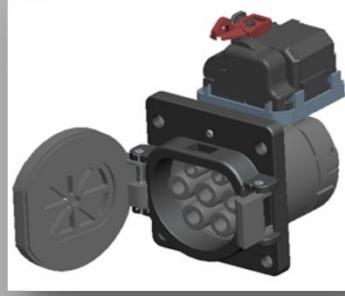
GB DC Charging plug



GB Charging receptacle



GB AC Charging receptacle





Type1 plug (US-Stand)

Comply with IEC62196

Current: 16A~32A AC Single phase



Type2 plug (Euro-Stand)

Comply with IEC62196

Current: 16A~32A AC Single phase and three phase
70A~125A DC.



GB plug (China-Stand)

Comply with GB/T 20234

Current: 16A~63A AC Single phase and three phase
70A~200A DC.

The corresponding socket can be customized according to customer requirements.

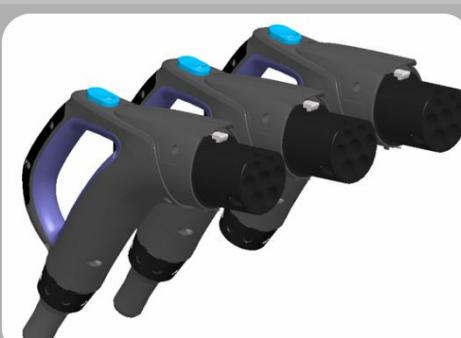
GB/T Vehicle connector and plug: AC

Designed according to GB /T20234.2-2015

Shell three-color, the overall deep plane gray, handle grasp the use of blue, black soft plastic injection molding

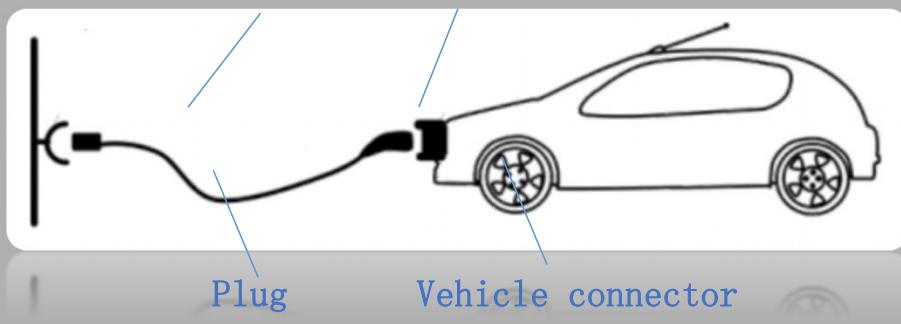


Vehicle connector



Plug

Socket-outlet Vehicle inlet



Performance:

L1、N、PE、L2、L3:

Rated current: 16A 32A 63A

Rated voltage: 250/440V

CC、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, N, PE, L2, L3 between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between CC、CP)

Mechanical life: 10000cycles

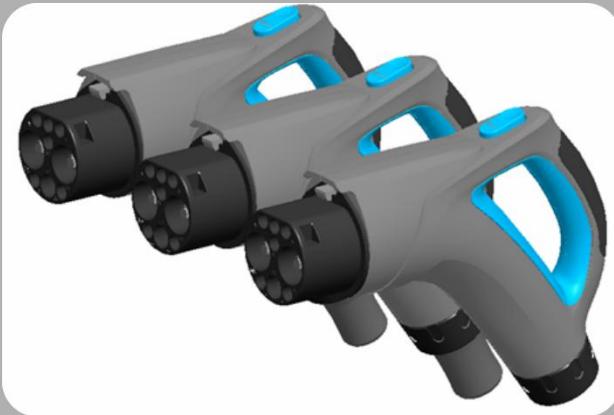
Protection level: IP55 (after mated)

GB/T Vehicle connector: DC

Designed according to GB/T 20234.3-2015

Shell three-color, the overall deep plane gray, handle grasp the use of blue, black soft plastic injection molding .

With electronic locking, temperature sensing function



Vehicle connector

Performance:

DC+、DC-:

Rated current:32A 80A 125A 180A

Rated voltage: 750V

CC1、CC2、S+、S-:

Rated current:2A

Rated voltage:30V

A+、A-:

Rated current:20A

Rated voltage: 30V

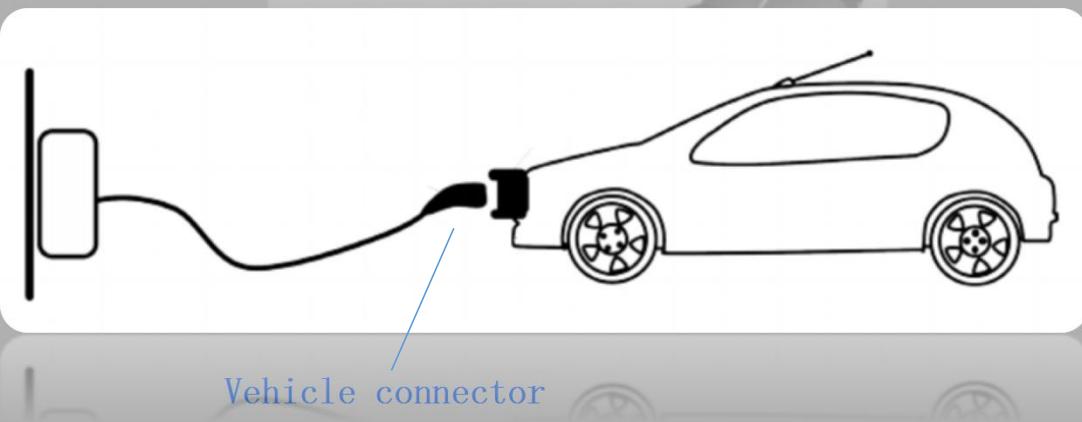
Insulation resistance: $\geq 5000M\Omega$ 500V DC

(DC+、DC-、PE between the terminals and between the power pole and signal pole)

Withstanding voltage: 2000V AC (between signal poles)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)



Vehicle connector

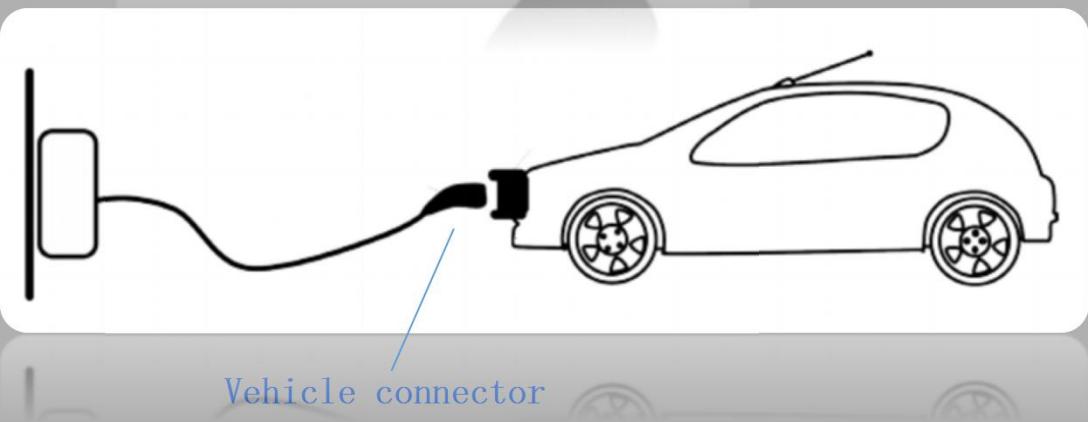
GB/T Vehicle connector: DC

Designed according to GB/T 20234.3-2015

Integrated injection molding black shell design, the second injection of soft plastic technology used in button



Vehicle connector



Vehicle connector

Performance:

DC+、DC-:

Rated current: 32A 80A 125A 180A

Rated voltage: 750V

CC1、CC2、S+、S-:

Rated current: 2A

Rated voltage: 30V

A+、A-:

Rated current: 20A

Rated voltage: 30V

Insulation resistance: $\geq 5000M\Omega$ 500V DC

(DC+、DC-、PE between the terminals and between the power pole and signal pole)

Withstanding voltage: 2000V AC (between signal poles)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)

GB/T Vehicle connector: DC

E-lock(Electromagnetic lock) for DC vehicle connector



Vehicle connector

Electronic lock control is divided into two kinds :

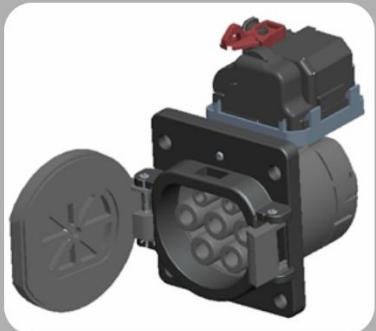
- 1、Continuous power supply control
- 2、Positive and negative pulse voltage control

- Continuous power supply control:

When the lock to provide continuous power, unlock the power automatically unlock.

- Positive and negative pulse voltage control:

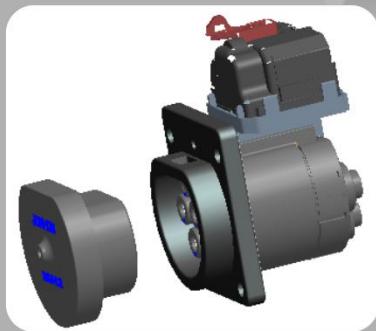
Locking and unlocking require positive and negative pulses. After the system is powered off the emergency relief need to charge the pile design circuit, the use of energy storage components discharge unlock.



Left open cover



Right open cover



Push and pull cover

GB/T Vehicle inlet and socket outlet: AC

Design according to GB/T 20234.2 -2015

The product contains electronic lock, temperature sensor device

Performance:

L1、N、PE、L2、L3:

Rated current: 10A 16A 32A 63A

Rated voltage: 250/440V

CC、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 5000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, N, PE, L2, L3 between the terminals and between the power pole and signal pole)

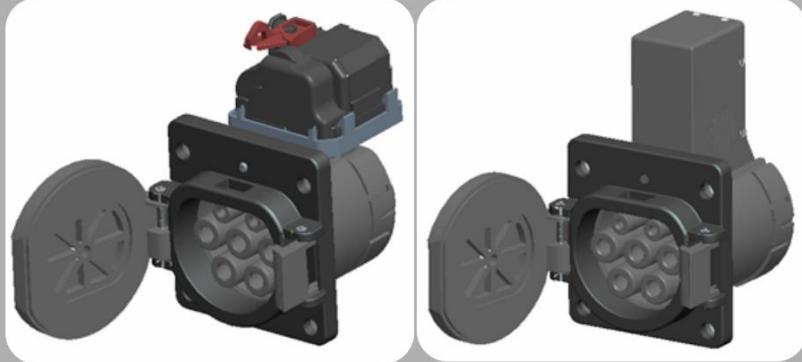
Withstanding voltage: 500V AC (between CC、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)

GB/T Vehicle inlet and socket -outlet: AC

E-Lock for AC vehicle inlet and socket outlet



Vehicle inlet

Socket outlet

Electronic lock control is divided into two kinds :

- 1、 Vehicle Inlet(Motor-lock) side
- 2、 Socket outlet(Electromagnetic lock) side

- **Vehicle Inlet (Motor-lock)**

Locking and unlocking require positive and negative pulses

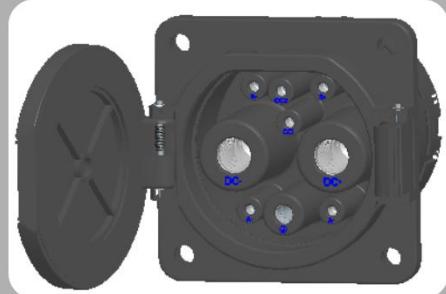
Emergency shutdown after the system requires a vehicle design circuit, the use of energy storage components discharge unlock.

The product provides a manual unlocking device when all electronic control conditions fail.

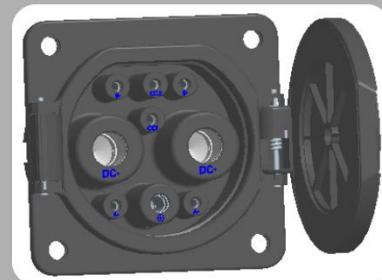
- **Socket outlet(Electromagnetic lock)**

When the lock to provide continuous power, unlock the power automatically unlock

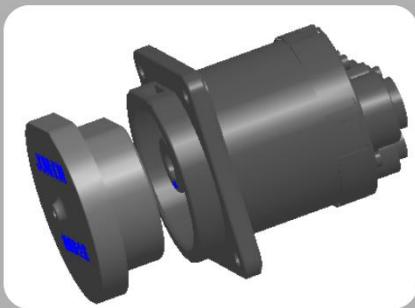
Charging Connector



Left open cover



Right open cover



Push and pull cover

GB/T Vehicle inlet : DC

Design according to GB/T 20234.3 -2015

The product contains temperature sensor device

Performance:

DC+、DC-:

Rated current: 32A 80A 125A 200A

Rated voltage: 750V

CC1、CC2、S+、S-:

Rated current: 2A

Rated voltage: 30V

A+、A-:

Rated current: 20A

Rated voltage: 30V

Insulation resistance: $\geq 5000M\Omega$ 500V DC

(DC+、DC-、PE between the terminals and between the power hole and signal hole)

Withstanding voltage: 2000V AC (between single holes)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)

US standard vehicle connector: Type1 AC

Designed according to SAE J1772

Shell three-color, the overall deep plane gray, handle grasp the use of blue, black soft plastic injection moldingType1



Vehicle connector

Performance:

L1、PE、L2:

Rated current: 16A 32A 63A

Rated voltage: 240V

CS、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, PE, N between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between CS、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)

US standard DC vehicle connector

Designed according to SAE J1772 IEC61196-3

Integrated injection molding black shell design, the second injection of soft plastic technology used in button



Vehicle connector

Performance:

DC+, DC-:

Rated current: 70A 125A

Rated voltage: 600V

PP、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2500V AC

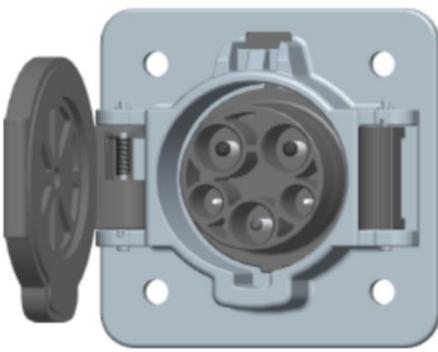
(DC+, DC-, PE between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between PP、CP)

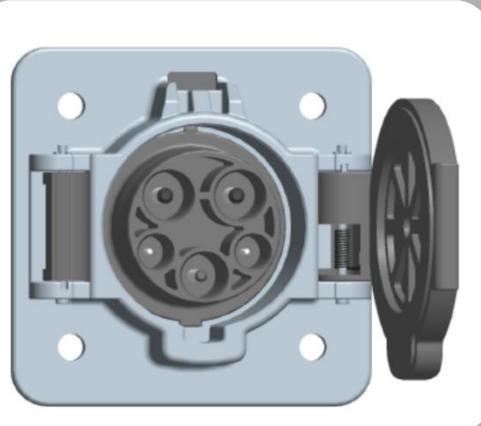
Mechanical life: 10000cycles

Protection level: IP55 (after mated)

Charging Connector



Left open cover



Right open cover

US standard vehicle inlet: Type1 AC

Design according to SAE J1772 、 IEC 62196-2

The product contains temperature sensor device

Performance:

L1、PE、L2:

Rated current: 16A 32A 63A

Rated voltage: 240V

CS、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, PE, N between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between CS、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)

US standard AC & DC vehicle inlet

Design according to SAE J1772 、 IEC 62196-3

The product contains electronic lock, temperature sensor device

Performance:

DC+, DC-:

Rated current: 80A 115A 125A

Rated voltage: 600V

L1、PE、L2:

Rated current: 16A 32A 63A

Rated voltage: 240V

CS、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 3000V AC

DC+, DC- , PE between the terminals and between the power pole and signal pole)

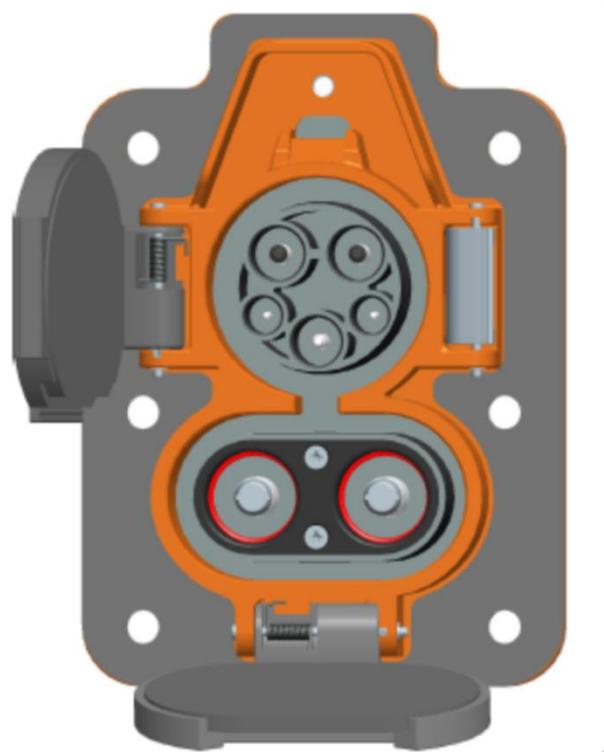
Withstanding voltage: 2000V AC

(L1, PE, L2 between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between CS、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)



US standard AC & DC vehicle inlet

Euro standard vehicle connector and plug: Type2 AC

Designed according to IEC62196-1、IEC61196-2

Shell three-color, the overall deep plane gray, handle grasp the use of blue or black, black soft plastic injection molding



Vehicle connector



Plug

Performance:

L1、N、PE、L2、L3:

Rated current: 16A 32A 63A

Rated voltage: 250/480V

PP、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, N, PE, L2, L3 between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between PP、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)



Euro standard vehicle inlet : Type2 AC

Designed according to IEC62196-1、IEC61196-2

The product contains electronic lock, temperature sensor device

Performance:

L1、N、PE、L2、L3:

Rated current: 16A 32A 63A

Rated voltage: 250/480V

PP、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, N, PE, L2, L3 between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between PP、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)



Right open cover

Euro and US standard socket-outlet: Type2 AC

Designed according to IEC62196-1、IEC61196-2

The product contains electronic lock, temperature sensor device



Up open cover

Performance:

L1、N、PE、L2、L3:

Rated current: 16A 32A 63A

Rated voltage: 250/480V

PP、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

Withstanding voltage: 2000V AC

(L1, N, PE, L2, L3 between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between PP、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)

Euro standard DC vehicle connector

Designed according to IEC62196-1、IEC61196-3

Shell three-color, the overall deep plane gray, handle grasp the use of blue, black soft plastic injection molding



Vehicle connector

Performance:

DC+, DC-:

Rated current: 70A 125A

Rated voltage: 750V

PP、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

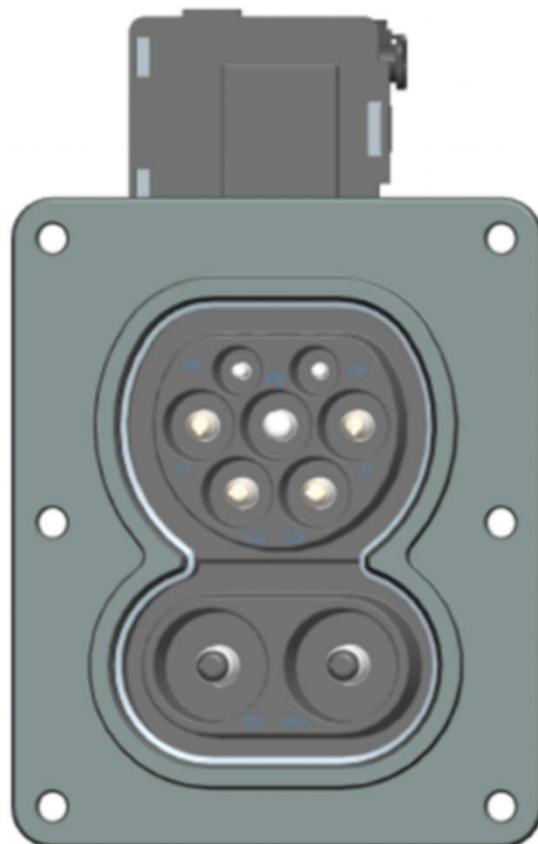
Withstanding voltage: 2500V AC

(DC+, DC-, PE between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between PP、CP)

Mechanical life: 10000cycles

Protection level: IP55 (after mated)



Euro standard AC & DC vehicle
inlet

Euro standard AC & DC vehicle inlet

Design according to IEC62196-1 , IEC 62196-3

The product contains electronic lock, temperature sensor device

Performance:

DC+, DC-:

Rated current: 70A 125A

Rated voltage: 750V

L1、N、PE、L2、L3:

Rated current: 16A 32A 63A

Rated voltage: 250/480V

PP、CP:

Rated current: 2A

Rated voltage: 30V

Insulation resistance: $\geq 1000M\Omega$ 500V DC

•Withstanding voltage: 2500V AC

•DC+, DC- , PE between the terminals and between the power pole and signal pole)

Withstanding voltage: 2000V AC

(L1, N, PE, L2, L3 between the terminals and between the power pole and signal pole)

Withstanding voltage: 500V AC (between PP、CP)

Mechanical life: 10000cycles

Cooperative Enterprise

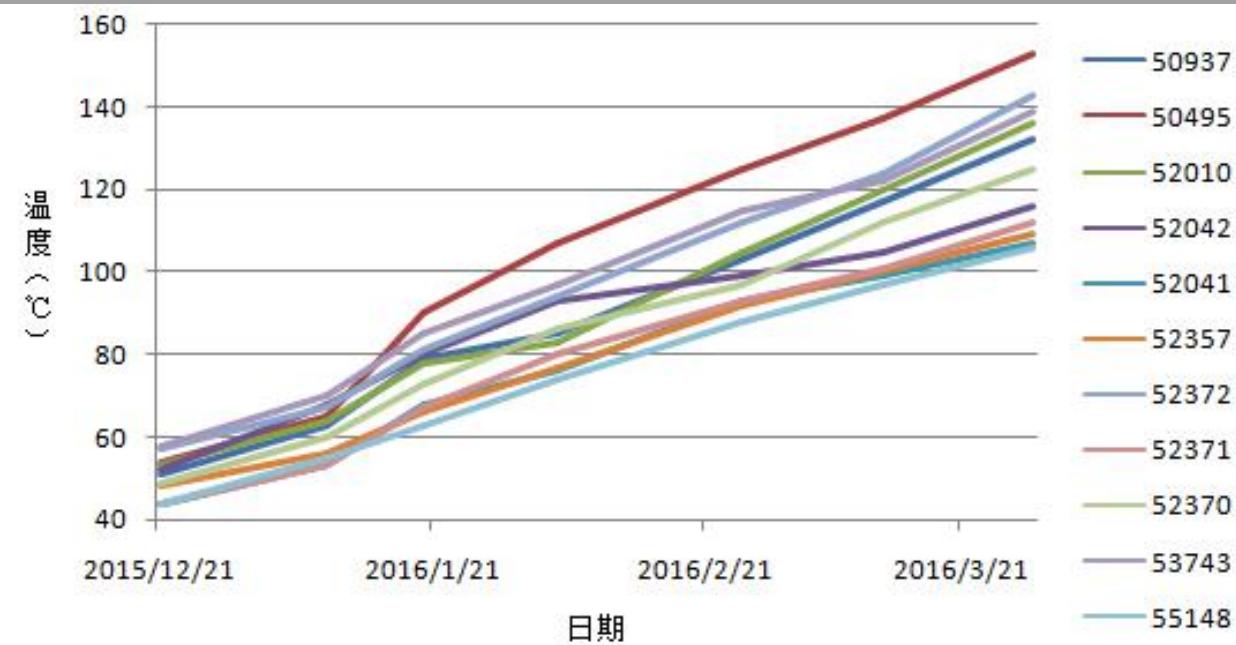


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AVIC JONHON OPRTRONIC TECHNOLOGY CO.,LTD



Existing charging technology problems

- over-Heating : If the charging time is long, the terminals and cables will be over-heating.
- Difficult to operate : Cable weight is too heavy, inconvenient to operate.
- Charging time is too long: Charge current needs to be further improved



Liquid-cooled charging interface

Analysis of the main heating parts on the charging interface

1. the crimping point between terminal and the cable
2. the contacting point between the male terminal and female terminal

Male terminal crimping

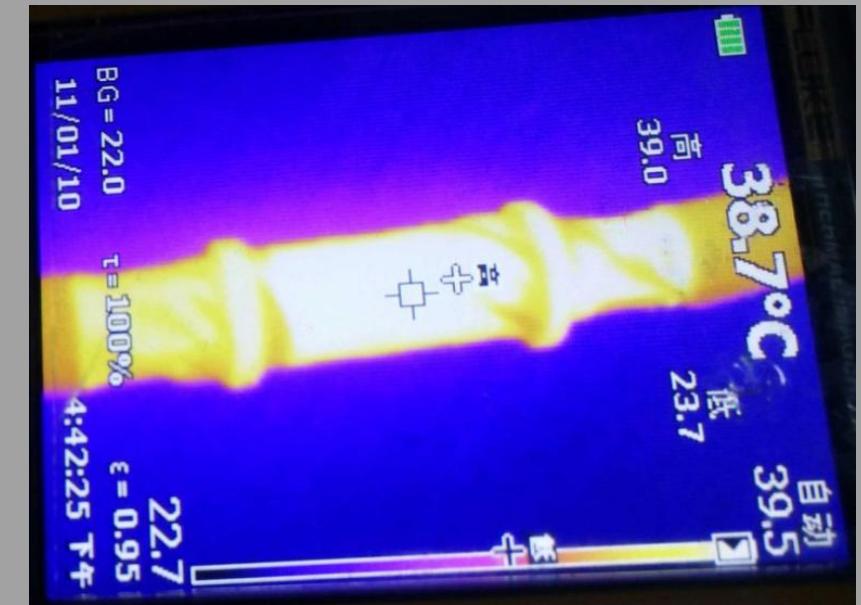
the contact point between the male terminal and female terminal

Female terminal crimping



Analysis on liquid cooling structure scheme

1. Crimping point cooling solution
2. Contacting point cooling solution



Cooling fluid analysis

Aqueous coolant (conductive)

Advantage

Low cost, low viscosity, high specific heat capacity.

Disadvantages

Cooling structure need to increase the insulation material, the structure is complex, reduce the cooling effect

Insulation coolant (non-conductive)

Advantage

Coolant can be directly contact with the heating element, the structure is simple, the cooling effect is good.

Disadvantages

High cost, high viscosity, low specific heat

Liquid-cooled combination of programs

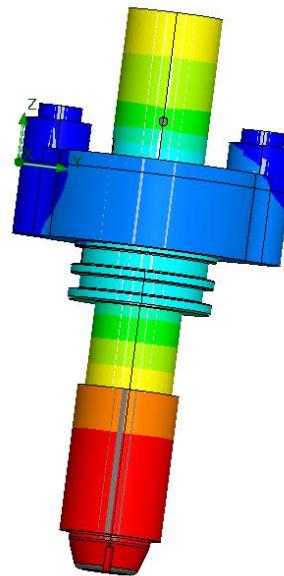
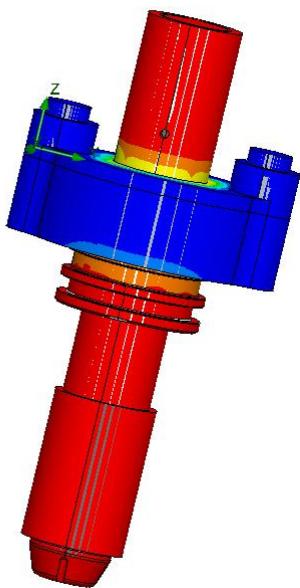
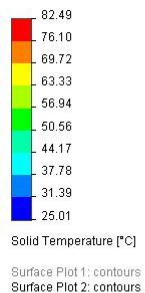


Liquid-cooled charging interface program		
Coolant	Cool location	
	Crimping point	Contacting point
Aqueous coolant	Program 1	Program 2
Insulation coolant	Program 3	Program 4

High-power charging



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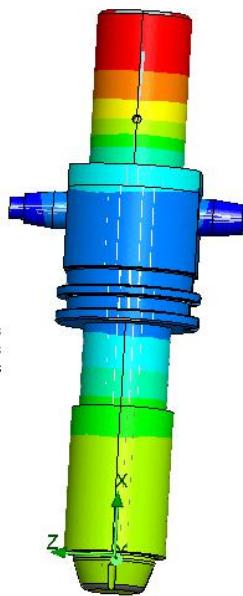
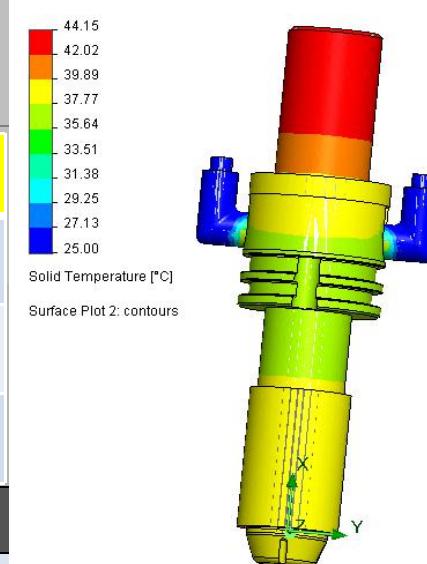


Liquid cooling scheme simulation analysis

Program 1		Program 2	
Coolant	Aqueous coolant	Coolant	Aqueous coolant
Material	insulation	Material	insulation
Temperature	82.5°C	Temperature	44.2°C

Basic parameters

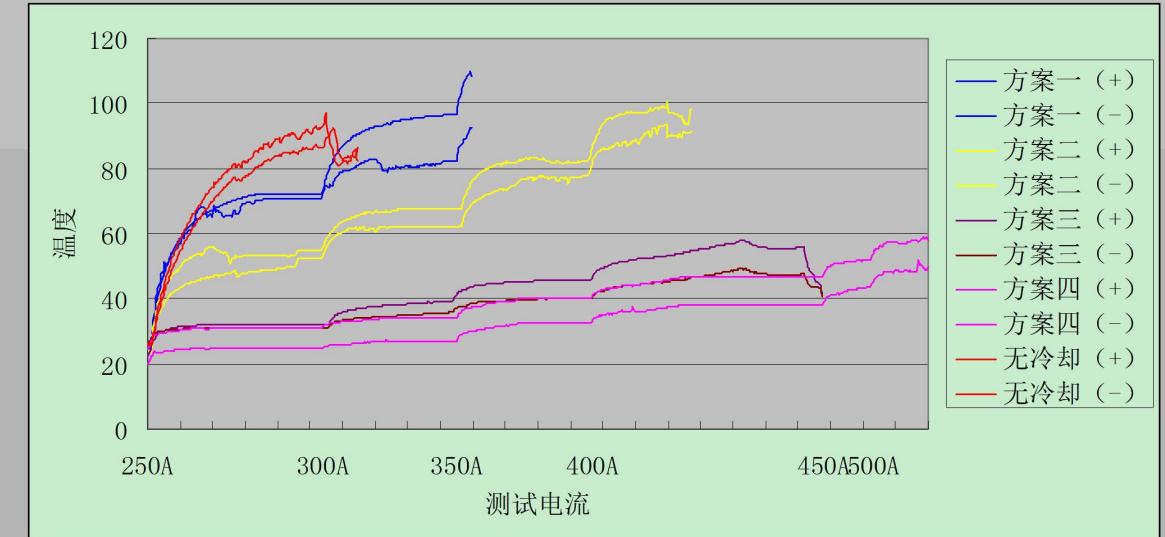
Current	250A
Ambient temperature	25°C
Entrance temperature	25°C
Flow	2L/min
Crimp resistance / heat consumption	0.2mΩ/12.5W
Contact resistance	0.2mΩ/12.5W



Program 3		Program 4	
Coolant	Insulation coolant	Coolant	Insulation coolant
Material	metal	Material	metal
Temperature	43.2°C	Temperature	34.3°C

Comparison of test data before and after cooling

Curve name	Program	Curve color	Test location
Program 1 (DC+)	Aqueous coolant Crimping point	Blue curve	DC + terminal
Program 1 (DC-)			DC - terminal
Program 2 (DC+)	Aqueous coolant Contacting point	Yellow curve	DC + terminal
Program 2 (DC-)			DC - terminal
Program 3 (DC+)	Insulation coolant Crimping point	Brown curve	DC + terminal
Program 3 (DC-)			DC - terminal
Program 4 (DC+)	Insulation coolant	Pink curve	DC + terminal
Program 4 (DC-)			DC - terminal
No cooling (DC+)	No cooling solution	Red curve	DC + terminal
No cooling (DC-)			DC - terminal



液冷充电接口不同方案测试数据对比											
传感器 Current	无冷却		方案一		方案二		方案三		方案四		
	DC+	DC-	DC+	DC-	DC+	DC-	DC+	DC-	DC+	DC-	
250A	86.4	93.7	70.74	72.16	54.97	52.39	30.6	31.9	30.9	24.7	
300A	89.34	99.1	82.37	96.81	67.52	62.13	39.2	41.3	35.6	27.2	
350A				92.6	108.2	85.66	80.5	44.3	45.8	43.4	32.4
400A						98.12	91.64	55.4	55.7	51.3	38.2
450A										61.2	44.7
500A										69.7	48.8

Testing Capacity

- CNAS and DILAC National Accreditation Laboratory
- AVIC –QMS Standard Laboratory
- RoHS Testing Laboratory
- Fluid Testing Laboratory
- Has high voltage interconnected system monitoring capability for the whole vehicle, such as withstand voltage, load temperature, vibration, aging resistance, oil resistance, salt spray resistance and other electrical, mechanical, environmental capabilities.



Testing Capacity



Insulation resistance test



High & low temperature box



Vibration test



Harmful Substance detection



X-ray spectrometer



EMS immunity comprehensive test



Salt spray test



EMI receiver

CERTIFICATION



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AVIC JONHON OPTRONIC TECHNOLOGY CO.,LTD

Zertifikat

Certificate

Zertifikat Nr. Certificate No.
R. 50367545

Blatt Sheet
0001

Ihr Zeichen Client Reference Umer Zeichen Our Reference Ausstellungsdatum Date of Issue
05-chenalle-50061306 001 19.05.2017 (dd/mm/yy)

Geschäftsgegenhaber License Holder
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.
No.10, Zhoushan Rd.
Hi-Tech New Zone
Luoyang, Henan 471003
P.R. China

Fertigungsstätte Manufacturing Plant
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.
No.26, Yuwenkai St.
Luolong District
Luoyang, Henan 471000
P.R. China

Prüfzeichen Test Mark

Techn. Approved Safety Regular Production Surveillance
Geprüft nach Tested acc. to
EN 62196-1:2012+A11+A12
EN 62196-2:2012+A11+A12

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzzugelte - Einheit
License Fee - Unit

Plug (Plug for Conductive Charging of Electric Vehicles)

Type Designation : EVC2-P-32A-480V
Trademark : JONHON
Rated Voltage : AC 480V (Three-Phase)
Rated Current : 32A
Kind of Construction : Standard Sheet 2-IIe
Configuration : Type 2
Degree of Protection : IP54 (provided by cover)
IP55 (engaged with a Socket-outlet)

The labelling requirements acc. to EU Directive 2001/95
have to be observed for distribution within the EEA.

ANLAGE (Appendix): 1

Den Zertifikat liegt unsere Prüf- und Zertifizierungsabteilung zugrunde und es beträgt die Konformität
zu Produkten, die diese Prüfung und Prüfbericht erhalten haben soll müssen innerhalb
derzeitiger Gültigkeit. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Department's internal quality
of the product with the standards and testing requirements as indicated above. Any additional
requirements or measures where the product is going to be marketed have to be considered
additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel: +49 911 386-1271 e-mail: car-safety@tuv.com
Fax: +49 911 386-3933 http://www.tuv.com/safety



Zertifikat

Certificate

Zertifikat Nr. Certificate No.
R. 50365342

Blatt Sheet
0001

Ihr Zeichen Client Reference Umer Zeichen Our Reference Ausstellungsdatum Date of Issue
05-chenalle-50061344 001 19.05.2017 (dd/mm/yy)

Geschäftsgegenhaber License Holder
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.
No.10, Zhoushan Rd.
Hi-Tech New Zone
Luoyang, Henan 471003
P.R. China

Fertigungsstätte Manufacturing Plant
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.
No.26, Yuwenkai St.
Luolong District
Luoyang, Henan 471000
P.R. China

Prüfzeichen Test Mark

Techn. Approved Safety Regular Production Surveillance
Geprüft nach Tested acc. to
EN 62196-1:2012+A11+A12
EN 62196-2:2012+A11+A12

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzzugelte - Einheit
License Fee - Unit

Connector (Connector for Conductive Charging of Electric Vehicles)

Type Designation : EVC2-VC-32A-480V
Trademark : JONHON
Rated Voltage : AC 480V (Three-Phase)
Rated Current : 32A
Kind of Construction : Standard Sheet 2-IIe
Configuration : Type 2
Degree of Protection : IP54 (provided by cover)
IP55 (engaged with a vehicle inlet)

The labelling requirements acc. to EU Directive 2001/95
have to be observed for distribution within the EEA.



ANLAGE (Appendix): 1

Den Zertifikat liegt unsere Prüf- und Zertifizierungsabteilung zugrunde und es beträgt die Konformität
zu Produkten, die diese Prüfung und Prüfbericht erhalten haben soll müssen innerhalb
derzeitiger Gültigkeit. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Department's internal quality
of the product with the standards and testing requirements as indicated above. Any additional
requirements or measures where the product is going to be marketed have to be considered
additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel: +49 911 386-1271 e-mail: car-safety@tuv.com
Fax: +49 911 386-3933 http://www.tuv.com/safety



Zertifikat

Certificate

Zertifikat Nr. Certificate No.
J. 50384881

Blatt Page
0001

Ihr Zeichen Client Reference Umer Zeichen Our Reference Ausstellungsdatum Date of Issue
05-LY-50061343 001 30.08.2017 (dd/mm/yy)

Geschäftsgegenhaber License Holder
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.
No.10, Zhoushan Rd.
Hi-Tech New Zone
Luoyang, Henan 471003
P. R. China

Fertigungsstätte Manufacturing Plant
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.
No.26, Yuwenkai St.
Luolong District
Luoyang, Henan 471000
P. R. China

Prüfzeichen Test Mark

Techn. Approved Safety Regular Production Surveillance
Geprüft nach Tested acc. to
EN 62196-1:2014
EN 62196-3:2014

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzzugelte - Einheit
License Fee - Unit

Connector for Conductive Charging of Electric Vehicles

Type Designation : EVC2-VC-125A-750V, EVC2-VC-30A-750V
Trademark : JONHON
Rated Voltage : DC 750V
Rated Current : 125A for EVC2-VC-125A-750V
30A for EVC2-VC-30A-750V
Kind of Construction : Standard Sheet 3-I-VC
Configuration : Type FF
Degree of Protection : IP54 (provided by cover)
IP55 (engaged with a vehicle inlet)

The labelling requirements acc. to EU Directive 2001/95
have to be observed for distribution within the EEA.



ANLAGE (Appendix): 1

Den Zertifikat liegt unsere Prüf- und Zertifizierungsabteilung zugrunde.
Das Produkt entspricht den g. Anforderungen die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Department. The product
fulfills above mentioned requirement. The production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel: +49 911 386-1271 e-mail: car-safety@tuv.com
Fax: +49 911 386-3933 http://www.tuv.com/safety



CERTIFICATION



JONHON
AVIC JONHON OPTRONIC TECHNOLOGY CO.,LTD

Certificate no.		TUV Rheinland	
TU 50392986 01			
License Holder: AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD. No.10, Zhoushan Rd. Hi-Tech New Zone Luoyang, Henan 471003 P. R. China		Manufacturing Plant: AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD. No.26, Yuwenkai St. Luolong District Luoyang, Henan 471000 P. R. China	
Test report no.: USA-LY 16082894 001 Tested to: UL 2251:2013		Client Reference:	
<p>Certified Product: Vehicle inlet for Electric Vehicles License Fee - Units</p> <p>Type Designation : EVCI-VR-115A/600V(32A/240V)-2L 6</p> <p>Trademark : JONHON</p> <p>Rated Voltage : 600V DC / 240V AC</p> <p>Rated Current : 115A DC / 32A AC</p> <p>Kind of Construction: SAE J1772 Sheet A-1,C-1, C-2</p> <p>Type of enclosure : Type 3S</p> <p>Appendix: 1</p>			
Licensed Test mark:		Date of Issue (day/month/year) 04/12/2017	
<p>TÜV Rheinland(China) Co., Ltd. Unit 707, AVIC Building, No.10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing China</p>			

Certificate no.		TUV Rheinland	
TU 50392990 01			
License Holder: AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD. No.10, Zhoushan Rd. Hi-Tech New Zone Luoyang, Henan 471003 P. R. China		Manufacturing Plant: AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD. No.26, Yuwenkai St. Luolong District Luoyang, Henan 471000 P. R. China	
Test report no.: USA-LY 16086134 001 Tested to: UL 2251:2013		Client Reference:	
<p>Certified Product: Vehicle connector for Electric Vehicles License Fee - Units</p> <p>Type Designation : EVCI-VC-125A-600V 6</p> <p>Trademark : JONHON</p> <p>Rated Voltage : 600V DC</p> <p>Rated Current : 125A DC</p> <p>Kind of Construction: SAE J1772 Sheet C-3, C-4</p> <p>Type of enclosure : Type 3S</p> <p>Appendix: 1</p>			
Licensed Test mark:		Date of Issue (day/month/year) 04/12/2017	
<p>TÜV Rheinland(China) Co., Ltd. Unit 707, AVIC Building, No.10B, Central Road, East 3rd Ring Road, Chaoyang District, Beijing China</p>			

Zertifikat		Certificate	
Zertifikat Nr. / Certificate No.	R 50381149	Blatt / Sheet	0001
Ihr Zeichen / Client Reference	05-chenalle-50065067	Unser Zeichen / Our Reference	001 28.06.2017
Genehmigungsinhaber / License Holder AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD. No.10, Zhoushan Rd. Hi-Tech New Zone Luoyang, Henan 471003 P. R. China		Fertigungsstätte / Manufacturing Plant AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD. No.26, Yuwenkai St. Luolong District Luoyang, Henan 471000 P. R. China	
Prüfzeichen / Test Mark		Geprüft nach / Tested acc. to: EN 62196-1:2012+A11+A12 EN 62196-2:2012+A11+A12 IEC 62196-1:2011 IEC 62196-2:2011	
TUV Rheinland CERTIFIED www.tuv.com ID 14004989			
Zertifiziertes Produkt / GeräteIdentifikation Certified Product (Product Identification)		Lizenzengegebene Einheit License Fee - Unit	
<p>Connector (Connector for Conductive Charging of Electric Vehicles)</p> <p>Type Designation : EVCI-VC-12A-240V</p> <p>Trademark : JONHON</p> <p>Rated Voltage : AC 240V</p> <p>Rated Current : 32A</p> <p>Kind of Construction : Standard Sheet 2-I</p> <p>Configuration : Type 1</p> <p>Degree of Protection : IP54(provided by cover) IP55(engaged with a vehicle inlet)</p> <p>The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.</p>			
ANLAGE (Appendix) : 1			
<p>Das Zertifikat liegt in einer Prüf- und Zertifizierungsabteilung zugrunde und ist bezüglich die Konformität des Produktes mit den oben genannten Standards und Prüfmethoden. Zusätzliche Abfragen aus Ländern, in denen das Produkt als Produkte gehandelt werden soll, müssen separat bearbeitet werden. Das Herstellung des zertifizierten Produktes wird überwacht.</p> <p>This certificate is based on one Testing and Certification Regulation and states the conformity of the product with the above mentioned standards and test methods. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified products is subject to surveillance.</p> <p>TÜV Rheinland LGA Products GmbH, Tillystrasse 2, 90431 Nürnberg Tel. +49 911 808-1271 e-mail: cmv validity@tuv.com Fax: +49 911 808-3005 http://www.tuv.com/validity</p>			



检 验 报 告

电动汽车交流充电接口

产品名称 电动汽车交流充电接口

产品型号 见附录 A “表 1: 样品型号”

受检单位 中航光电科技股份有限公司

检验类别 强制性检验

国家轿车质量监督检验中心



检 验 报 告

电动汽车直流充电接口

产品名称 电动汽车直流充电插头

产品型号 见附录 A “表 1: 样品型号”

受检单位 中航光电科技股份有限公司

检验类别 强制性检验

国家轿车质量监督检验中心



检 验 报 告

电动汽车直流充电接口

产品名称 电动汽车直流充电接口

产品型号 见附录 A “表 1: 样品型号”

受检单位 中航光电科技股份有限公司

检验类别 强制性检验

国家轿车质量监督检验中心





Welcome to China Welcome to Jonhon