



汽车高压连接解决方案



DEGSON官网



微信公众号

宁波高松电动连接技术有限公司

NINGBO DEGSON EMOBILITY CONNECTIVITY CO.,LTD.

地址：中国宁波慈溪市逍林大道1585号

邮编：315321

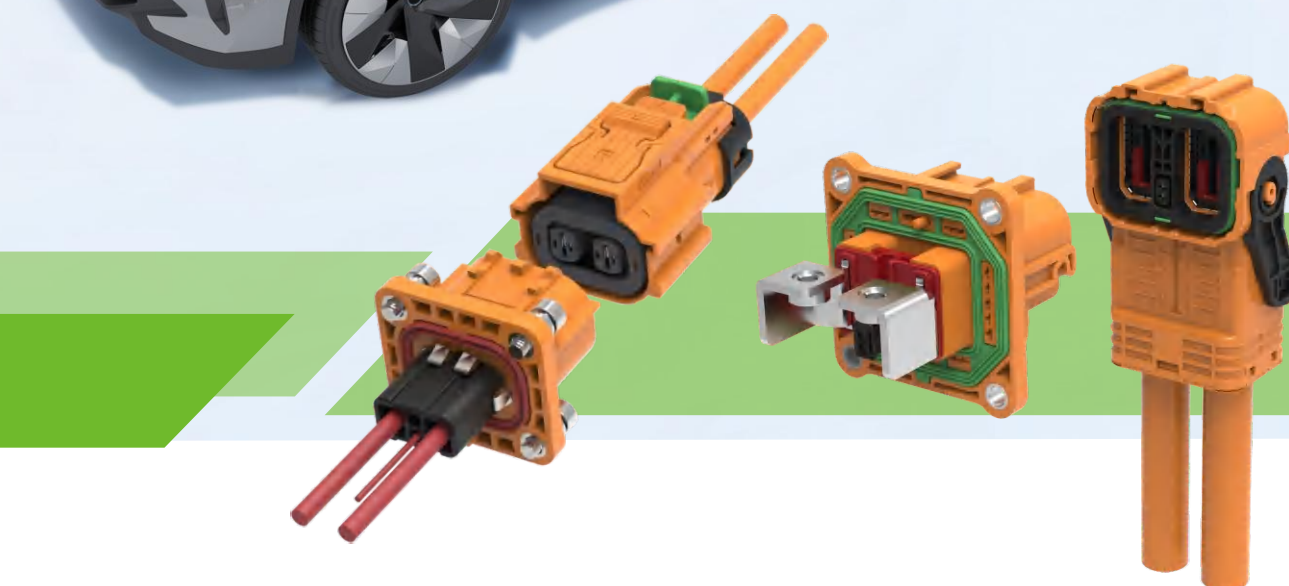
The catalog is for reference purpose only and details are
base on company's specifications

网址：www.degson.com

电话：400-885-2488

邮箱：info@degson.com

HV 25-CE01



汽车高压连接解决方案
E-mobility connectivity solutions

ISO9001 ISO14001 ISO45001 IATF16949 CB CE RoHS REACH EV READY

DEGSON创建于1990年，是全球知名的工业和新能源连接器整体解决方案提供商、拥有美国UL-CTDP、德国VDE-TDAP和CNAS认证实验室，公司通过了ISO9001、ISO14001、ISO45001、ISO80079-34、ISO/TS22163和IATF16949管理体系认证，是国家高新技术企业。

DEGSON拥有行业深厚的模具加工、自动化制造能力，配备先进的检测仪器和专业检测技术，打造高可靠性、高耐用性产品，服务全球用户；同时，我们具有强大的定制化能力，并根据全球客户个性化需求，提供专业的定制化解决方案，为客户提供增值服务。

DEGSON产品畅销中国、美国、德国、英国、意大利、西班牙、土耳其、日本、韩国、新加坡等100多个国家和地区，为全球工业自动化、仪器仪表、电力电气、轨道交通、船舶、新能源、电梯、照明、安防、机械、电动两轮车等行业，提供高品质产品和服务，获得了众多世界500强和行业龙头企业的认可。

DEGSON以“客户第一、奋斗共赢、责任诚信、追求卓越”的核心价值观，不断整合全球专业技术资源，打造强大的研发创新、产品制造和技术应用能力，依托全球布局，提供系列化、多品种、多型号的高品质产品和服务，为全球客户提供专业、快捷的全连接应用解决方案，帮助客户持续创造价值，致力打造智慧互联世界。

Founded in 1990, DEGSON is a Global Leader in Integrated Industrial Connectivity and New Energy Solutions, with UL-CTDP, VDE-TDAP and CNAS approved laboratory. DEGSON has passed ISO9001, ISO14001, ISO45001, ISO80079-34, ISO/TS22163 and IATF16949 Management System, and is a national high-tech enterprise.

DEGSON is engaged in supplying highly reliable and durable products to serve global customers. The company has a market-leading capability of mould processing, automatic manufacturing and advanced testing. DEGSON has the complete engineering ability to support global customers with the professional customization solution and value-added service.

DEGSON products are widely recognized in China, the USA, Germany, the UK, Italy, Spain, Turkey, Japan, South Korea, Singapore, etc. totally hundred countries and regions. DEGSON supply high quality products and provide professional services globally in the industry sectors likely industrial automation, instrument, electric power, railway, marine and offshore, new energy, elevator, lighting, security, machinery, E-bike industry, etc. The company won the recognition from partners among Fortune 500 and industry leading enterprises.

Based on the business philosophy of “Clients First, Win-win Strategy, Responsibility Integrity, Excellence Pursuit.”, DEGSON continuously integrates professional technical resources, R&D innovation, product manufacturing and technology application capabilities. Relying on global sales network, DEGSON aims to supply series of multiple varieties of high-quality products and services. We provide global customers with professional and quick connected application solutions, help customers continue to create value. DEGSON is making contributions to creating a smart and interconnected world.

美国UL-CTDP、德国VDE-TDAP和CNAS实验室 UL-CTDP (USA), VDE-TDAP (Germany) and CNAS laboratories

UL、VDE战略合作 Strategic cooperation with UL and VDE



① UL能源与科技全球事业部总经理来访我司

① The general manager of UL global energy & technology division visit our company



② VDE环球服务公司总裁 Sven Ohrke来我司商务洽谈战略合作

② Sven Ohrke, President of VDE global services, discusses mutual strategic cooperation in DEGSON



③ VDE实验室认可：2010年7月VDE正式向DEGSON颁发了“VDE认可实验室”证书。
UL实验室认可：2013年3月UL正式向DEGSON颁发“UL WTDP”证书。

2016年4月，UL颁发了CDTP实验室认可证书。
2016年12月，VDE颁发了TDAP实验室认可证书。
2017年1月，IRIS体系审核通过。

③ VDE Laboratory Accreditation: In July 2010, VDE issued the "VDE Authorized Laboratory" certificate to DEGSON laboratory.

UL laboratory accreditation: UL formally issued "UL WTDP" certificate to DEGSON in March 2013.

In April, 2016, UL-CTDP.

In December, 2016, VDE-TDAP.

In January, 2017, Pass IRIS system audit.



ISO9001



ISO14001



IATF16949



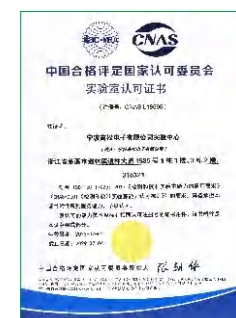
ISO/TS 22163



UL CTDP 实验室证书
UL - CTDP



VDE TDAP 实验室证书
VDE - TDAP



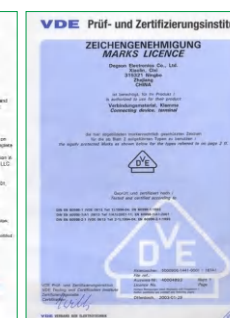
CNAS



EX 证书
EX certificate



10 UL证书 4000种产品型号
UL Certificates:10,Covering 4000+Products



178 VDE证书 3000种产品型号
VDE Certificates:175,Covering 3000+Products



TUV 证书
TUV certificate



中国发明专利证书
Chinese invention patent





DEGSON全球生产基地/研发中心
DEGSON Global Production Base and R&D Center



中国工厂



越南工厂



高新区工厂



南京竞争力中心



洛阳研发中心

DEGSON产品销往全球100多个国家和地区
DEGSON products are very popular more than 100 countries and areas.



目录 CONTENTS

高压连接器

高压连接器产品包括：280系列连接器、630系列连接器、1800系列连接器、过孔系列连接器、单芯穿墙端子等。

High Voltage Connector

High voltage connector products include: 280 series connector, 630 series connector, 1800 series connector, hole series connector, single core wall terminal, etc.



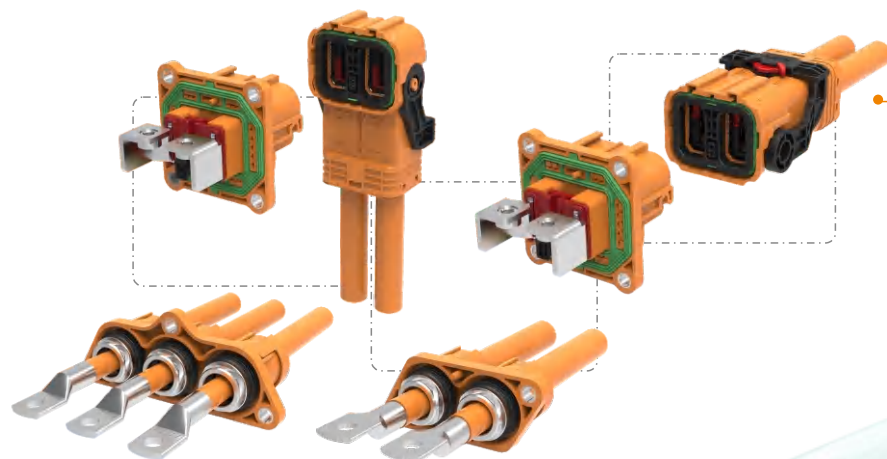
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新能源 New energy EV charging solution

电动汽车充电解决方案

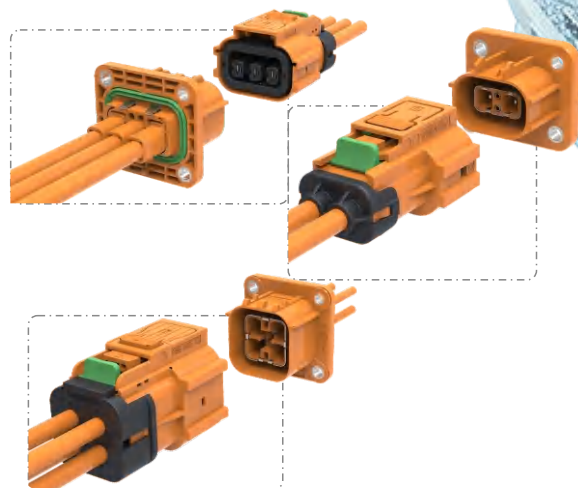
高压大电流连接器

High voltage and high current connector



高压小电流连接器

High voltage low current connector



整车线束

Vehicle cable harness



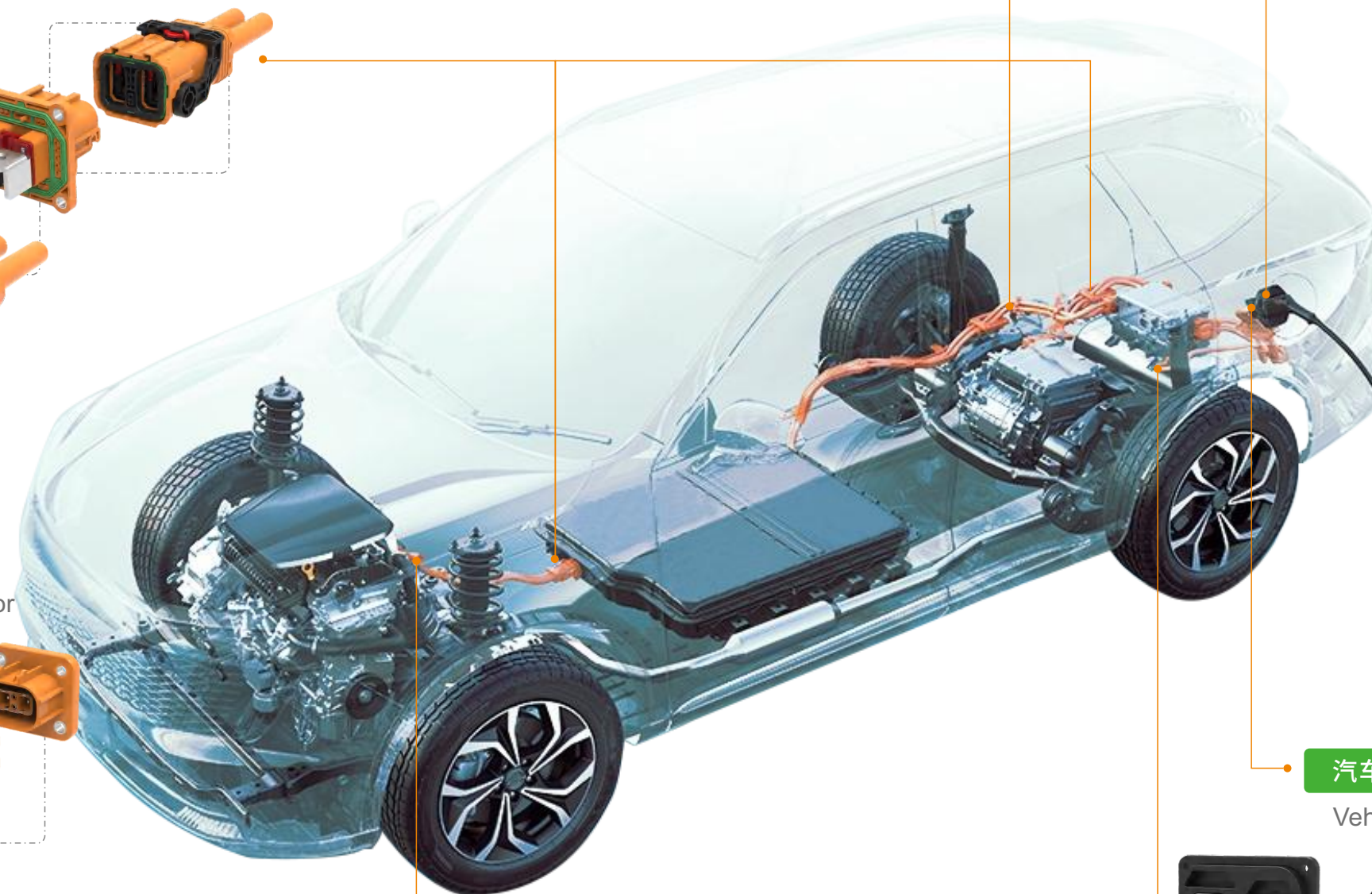
汽车充电连接器

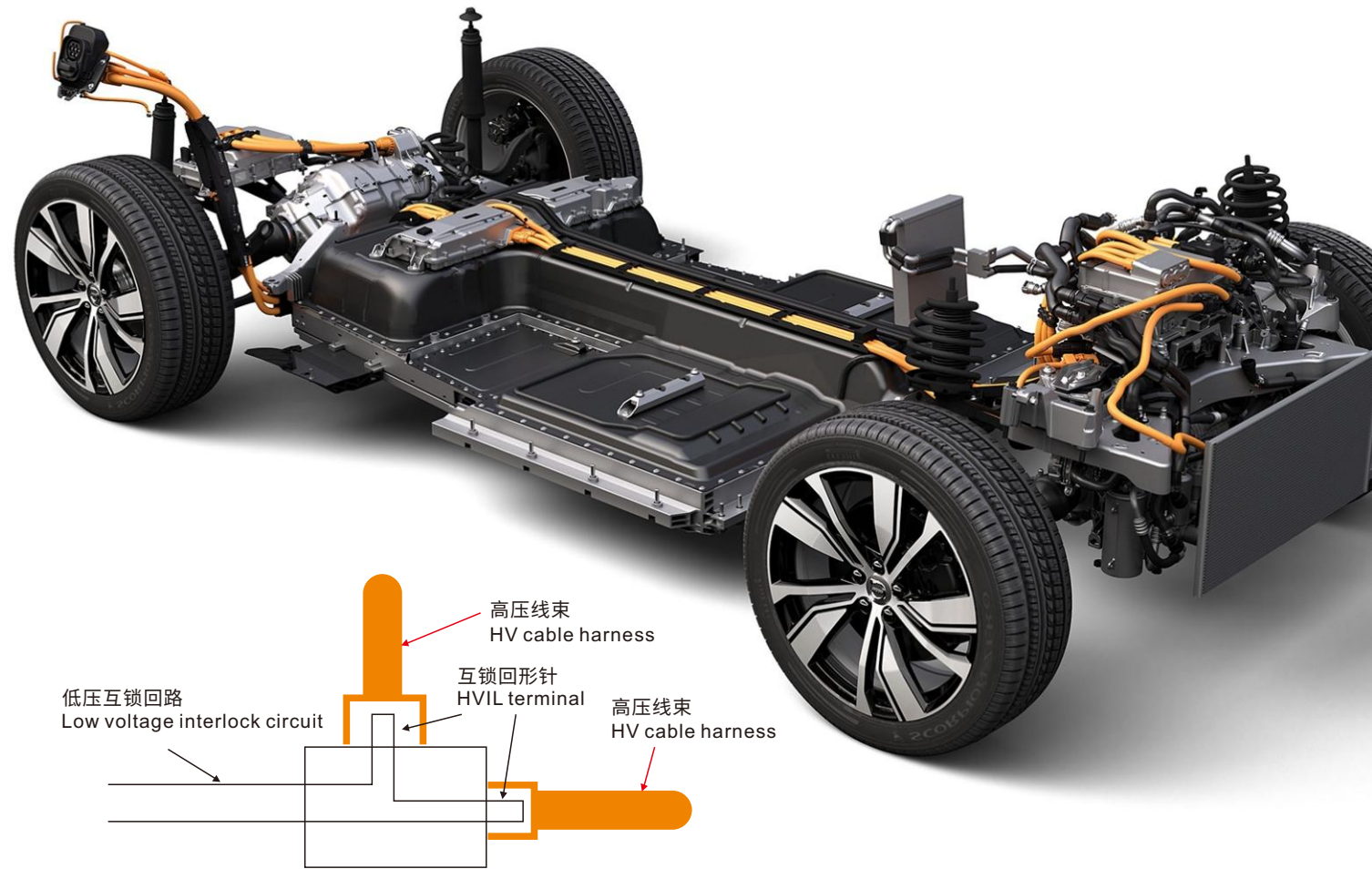
Vehicle charging connector



汽车充电连接插座

Vehicle charging socket





高压连接器

产品用于车载充电机、电池包、高压配电箱、电机控制器、电机、空调、PTC等部件间的高压连接，产品内置用于安全控制的短接回路高压互锁。并可根据客户需求，实现高压连接器高压线束定制化服务。

产品特点

- 高强度热塑性材料,安全、轻便
- EMC屏蔽、阻燃等级UL94V-0
- 防触指设计、多种防错键位选择
- 二级锁设计、高压互锁
- 防水密封,IP67,IP6K9K
- 高电流、高电压、高性能
- USCAR-2、LV215标准设计,符合行业要求

HV connector

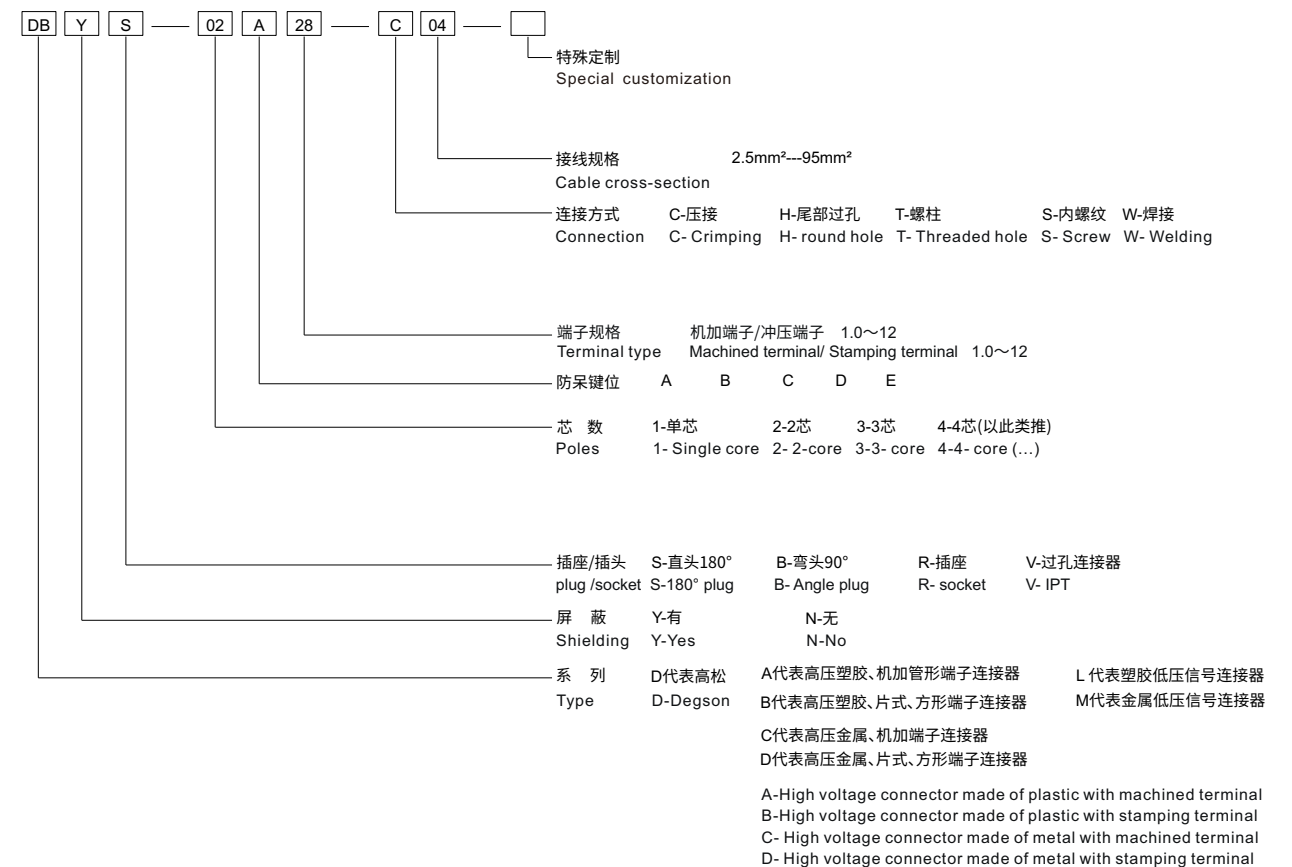
HV connector is used for high-voltage connection among on-board chargers, battery packs, high-voltage power distribution boxes, motor controllers, motors, air conditioners, PTC and other components. HV connector has a built-in short-circuit high-voltage interlock for safety control. And according to customer needs, we can provide customized services for high-voltage connectors and high-voltage cable harnesses.

Product feature

- High-strength thermoplastic material, safe and handiness
- EMC shielding, UL94V-0 flame retardant grade
- Finger-touch resistant design
- Secondary lock design, high voltage interlock
- Waterproof seal, IP67, IP6K9K
- High current, high voltage, high performance
- USCAR-2, LV215 standard design meets the requirements of industry



高压连接器编码规则 Naming convention





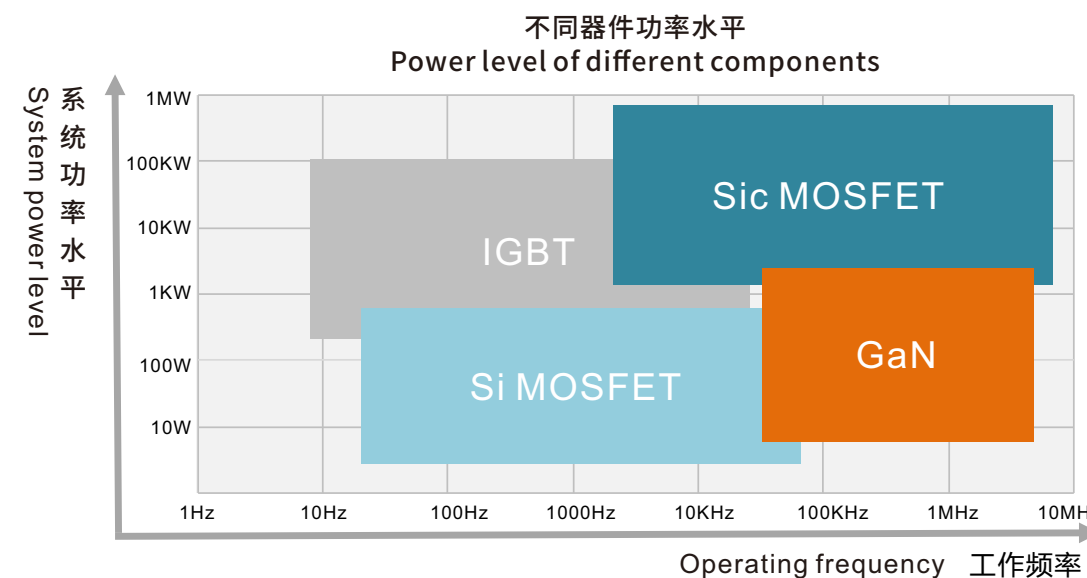
高压线束定制化服务

DEGSON提供整个高压线束的解决方案。

我们不仅可以提供高压连接器, 充电插座, 充电枪等产品, 同时也能提供整个高压线束的解决方案, 这是我们的优势。基于成熟的技术理念和严格的技术规范, 我们的产品可以符合现在主流电动车的标准, DEGSON高松可以为插电混合动力 (PHEV)、HEV以及纯电动 (BEV), 燃料电池在内的新能源汽车提供整车从电池包直流母线到充电系统的高压线束, 以及热系统等集成的高压线束解决方案。

Customization service for HV cable harness

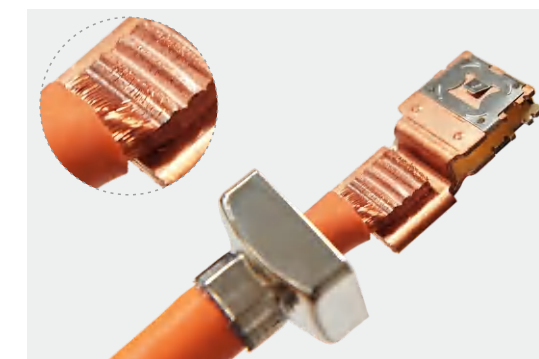
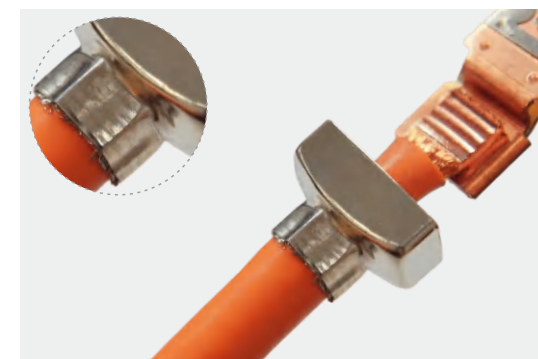
DEGSON provides solutions for the entire high-voltage cable harness. We can not only provide HV connectors, charging sockets, charging cable and other products, but also provide solutions for the entire high-voltage cable harness, which is our advantage. Based on mature technical concepts and strict technical specifications, our products can meet the standards of current mainstream EV. For new energy vehicles including plug-in hybrid (PHEV), HEV and battery electric vehicle (BEV), and fuel cells, DEGSON can provide provides integrated high-voltage cable harness solutions from the battery pack DC bus line to the charging system, as well as the thermal system and other integrated high-voltage cable harness solutions.



未来电控将使用SIC替代现有IGBT, 更高的工作频率对于高压平台的EMC提出了更高的要求。

DEGSON高松高压线束产品采用360°完全屏蔽, 严格按照整车测试标准测试。

The electronic control will use SIC to replace the existing IGBT in the future, and the higher operating frequency asks higher requirements for the EMC of the high-voltage platform. DEGSON HV cable harness products are fully shielded at 360°, and are tested strictly according to the vehicle test standard.



可靠屏蔽压接及焊接保证低电阻导通
Reliable shield crimping and soldering can ensure low resistance conduction



定制设计线束, 兼容400V/800V的平台满足不同高压架构 (3+3/八合一架构), 为客户提供低成本及可靠的产品
Custom-designed cable harness, compatible with 400V/800V platforms to meet different HV architectures (3+3/eight-in-one architecture), providing customers with low-cost and reliable products



2芯过孔连接器
2 PIN IPT

电气性能 Electrical Performance

型 号	Type	DBYV-02AX7-CXX
绝缘电阻	Insulation resistance	> 200MΩ 1000V DC
耐电压	Withstand voltage	<5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	150A@35mm², 200A@50mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	无 NO

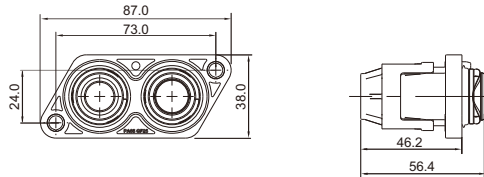
机械性能 Mechanical Performance

插拔寿命	Mating cycles	/
插拔力	Insertion / Withdrawal force	/
键位	Coding	/
适配线缆	Adapt cable	35mm²、50mm² (线缆尺寸标准根据QC/T1037 Cable dimensions are according to QC / T1037)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	/

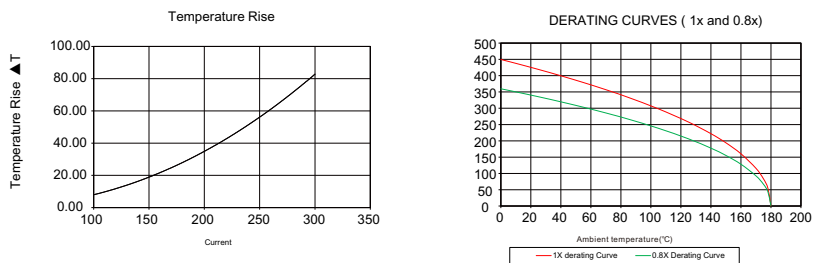
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 50 mm²



3芯过孔连接器
3 PIN IPT

电气性能 Electrical Performance

型 号	Type	DBYV-03AX7-CXX
绝缘电阻	Insulation resistance	> 200MΩ 1000V DC
耐电压	Withstand voltage	<5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	150A@35mm², 200A@50mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	无 NO

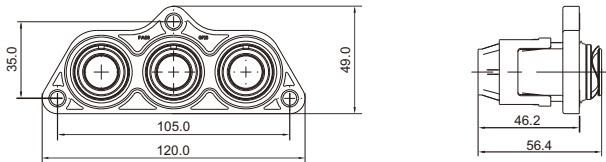
机械性能 Mechanical Performance

插拔寿命	Mating cycles	/
插拔力	Insertion / Withdrawal force	/
键位	Coding	/
适配线缆	Adapt cable	35mm²、50mm² (线缆尺寸标准根据QC/T1037 Cable dimensions are according to QC / T1037)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	/

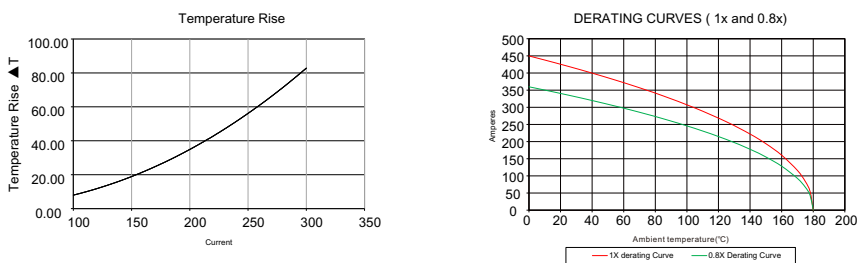
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) – 50 mm²





2芯280高压连接器
2 PIN 280 Connector

电气性能 Electrical Performance

型 号	Type	插头 Plug DBYS-02X28-CXX 插座 Header DBYR-02X28-CXX
绝缘电阻	Insulation resistance	> 200MΩ 1000VDC
耐电压	Withstand voltage	<5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	16A@2.5mm², 24@4mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	有 yes

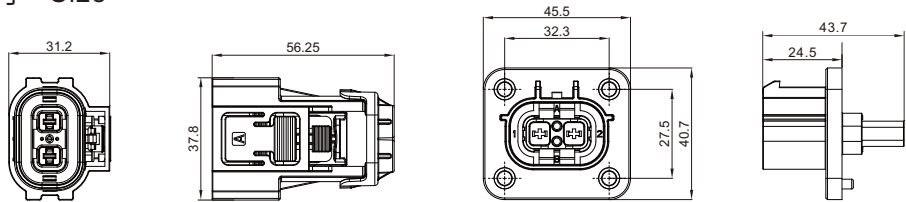
机械性能 Mechanical Performance

插拔寿命	Mating cycles	≥ 50 次
插拔力	Insertion / Withdrawal force	≤ 75 N
键位	Coding	A,B,C,D,E
适配线缆	Adapt cable	2.5 mm², 4 mm² (线缆尺寸标准根据QC/T1037 Cable dimensions are according to QC / T1037)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	IPXXB

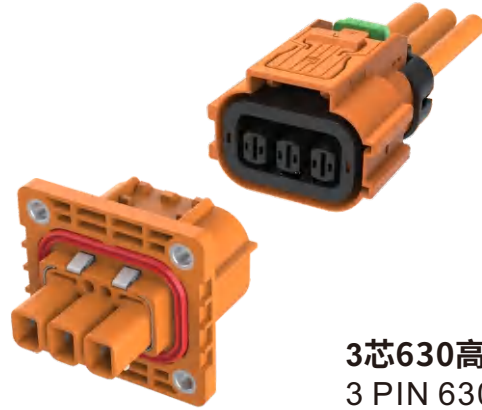
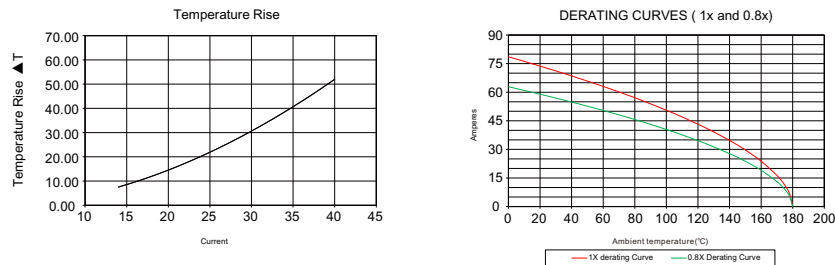
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 4 mm²



3芯630高压连接器
3 PIN 630 Connector

电气性能 Electrical Performance

型 号	Type	插头 Plug DBYS-03X63-CXX 插座 Header DBYR-03X63-CXX
绝缘电阻	Insulation resistance	> 200MΩ 1000VDC
耐电压	Withstand voltage	<5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	32A@4mm², 40A@6mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	有 yes

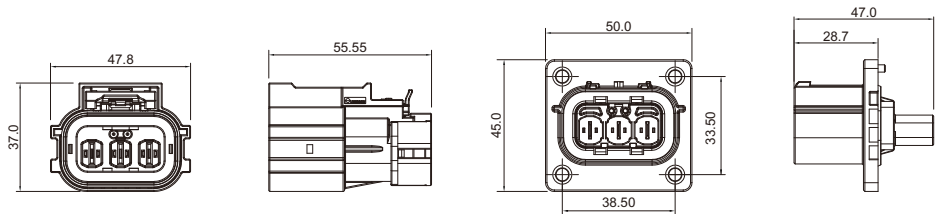
机械性能 Mechanical Performance

插拔寿命	Mating cycles	≥ 50 次
插拔力	Insertion / Withdrawal force	≤ 75 N
键位	Coding	A,B,C,D,E
适配线缆	Adapt cable	4 mm², 6 mm² (线缆尺寸标准根据QC/T1037 Cable dimensions are according to QC / T1037)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	IPXXB

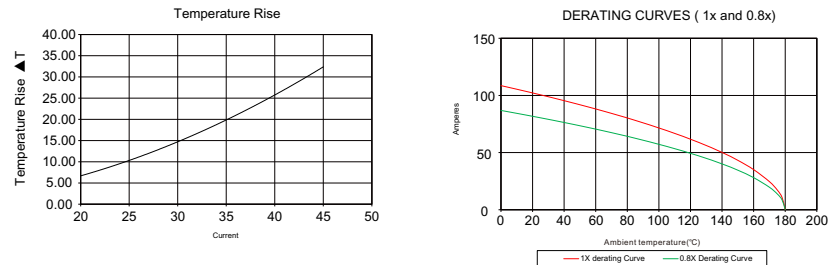
环境性能 Environmental Performance

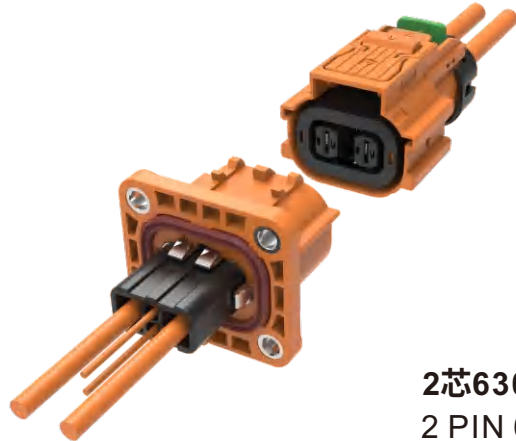
工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 6 mm²





2芯630高压连接器
2 PIN 630 Connector

电气性能 Electrical Performance

型 号	Type	插头 Plug DBYS-02X63-CXX 插座 Header DBYR-02X63-CXX
绝缘电阻	Insulation resistance	> 200MΩ 1000VDC
耐电压	Withstand voltage	< 5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	32A@4mm², 40A@6mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	有 yes

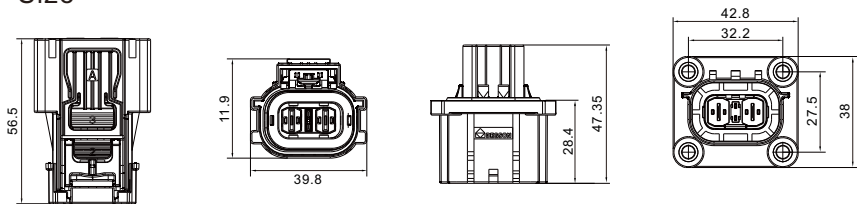
机械性能 Mechanical Performance

插拔寿命	Mating cycles	≥ 50 次
插拔力	Insertion / Withdrawal force	≤ 75 N
键位	Coding	A,B,C,D,E
适配线缆	Adapt cable	4 mm², 6 mm² (线缆尺寸标准根据LV216-2 Cable dimensions are according to LV216-2)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	IPXXB

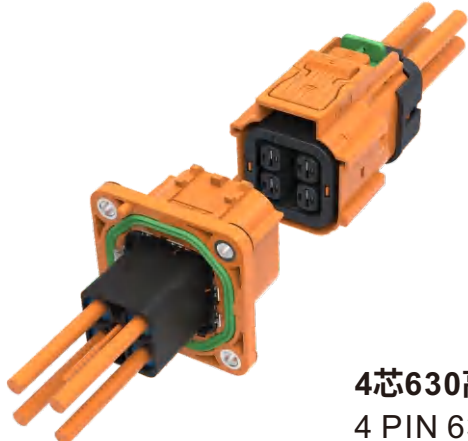
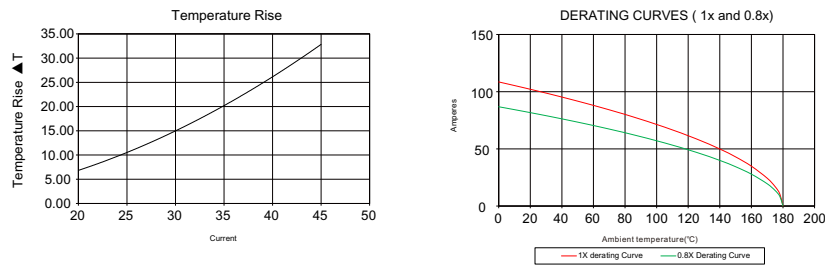
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 6 mm²



4芯630高压连接器
4 PIN 630 Connector

电气性能 Electrical Performance

型 号	Type	插头 Plug DBYS-04X63-CXX 插座 Header DBYR-04X63-CXX
绝缘电阻	Insulation resistance	> 200MΩ 1000VDC
耐电压	Withstand voltage	< 5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	32A@4mm², 40A@6mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	有 yes

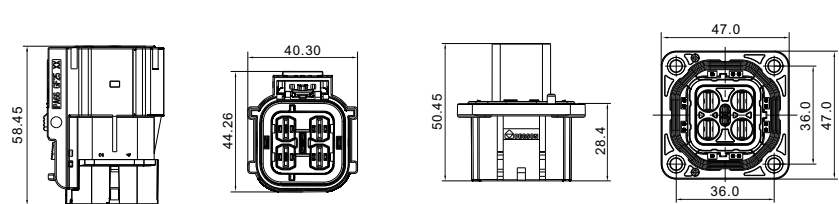
机械性能 Mechanical Performance

插拔寿命	Mating cycles	≥ 50 次
插拔力	Insertion / Withdrawal force	≤ 75 N
键位	Coding	A,B,C,D,E
适配线缆	Adapt cable	4 mm², 6 mm² (线缆尺寸标准根据LV216-2 Cable dimensions are according to LV216-2)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	IPXXB

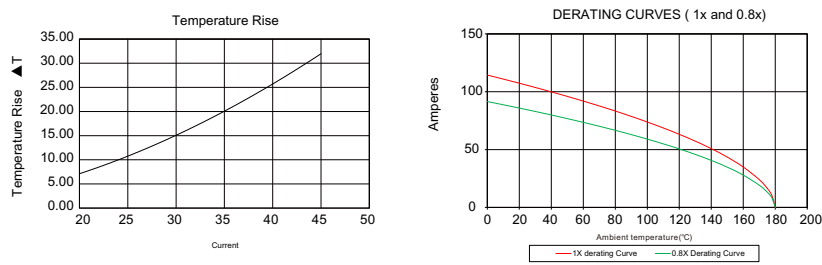
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 6 mm²





2芯1800直头连接器
2 PIN 1800 Connector-180°

电气性能 Electrical Performance

型 号	Type	插头 Plug DBYS-02XX8-WXX 插座 Header DBYR-02XX8-SXX
绝缘电阻	Insulation resistance	> 200MΩ 1000VDC
耐电压	Withstand voltage	< 5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	130A@25mm², 200A@35mm², 250A@50mm², 280A@70mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	有 yes

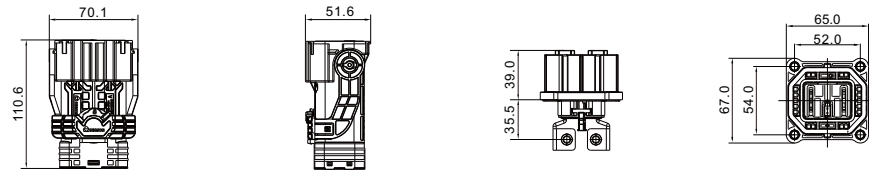
机械性能 Mechanical Performance

插拔寿命	Mating cycles	≥ 50 次
插拔力	Insertion / Withdrawal force	≤ 75 N
键位	Coding	A,B,C,D
适配线缆	Adapt cable	25 mm², 35mm², 50mm², 70mm² (线缆尺寸标准根据LV216-2 Cable dimensions are according to LV216-2)
出线方式	Cable connection angle	180°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	IPXXB

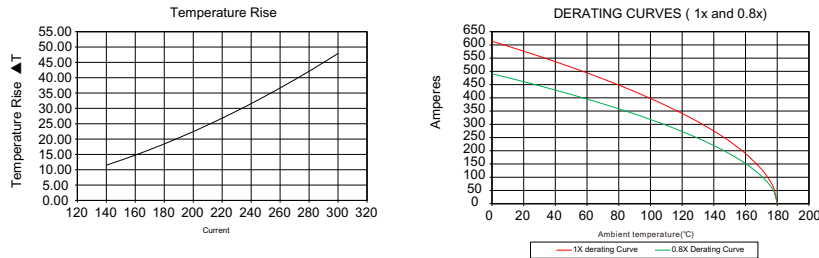
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 70 mm²



2芯1800弯头连接器
2 PIN 1800 Connector-90°

电气性能 Electrical Performance

型 号	Type	插头 Plug DBYB-02XX8-WXX 插座 Header DBYR-02XX8-SXX
绝缘电阻	Insulation resistance	> 200MΩ 1000VDC
耐电压	Withstand voltage	< 5mA 3000V AC 60S
额定电流(@85 °C)	Rated current @85 °C	130A@25mm², 200A@35mm², 250A@50mm², 280A@70mm²
高压互锁(HVIL)	High-Voltage Interlock (HVIL)	有 yes

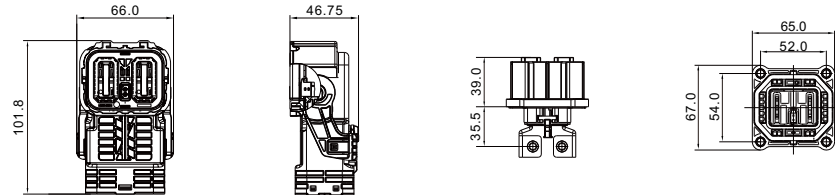
机械性能 Mechanical Performance

插拔寿命	Mating cycles	≥ 50 次
插拔力	Insertion / Withdrawal force	≤ 75 N
键位	Coding	A,B,C,D
适配线缆	Adapt cable	25 mm², 35mm², 50mm², 70mm² (线缆尺寸标准根据LV216-2 Cable dimensions are according to LV216-2)
出线方式	Cable connection angle	90°
振动等级	Vibration class	USCAR-2 V2
IP等级(配对)	IP class(mated)	IP6K9K / IPX8 / IPXXD
IP等级(未配对)	IP class (unmated)	IPXXB

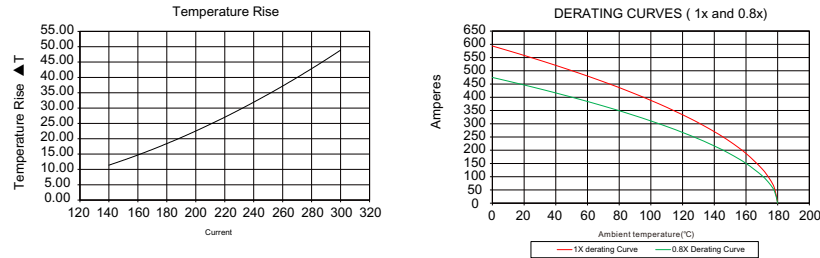
环境性能 Environmental Performance

工作温度	Temperature range	-40 °C ~ +125 °C
RoHS		符合 Compliant

外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2) — 70 mm²





单芯穿墙端子300A
Single core terminal 300A



单芯穿墙端子400A
Single core terminal 400A

电气性能 Electrical Performance

型号	Type	90° SA-EHTF-1300-F-L000-01A(H) 180° SA-EHTF-1300-F-L000-00A(H)	90° SA-EHTF-1400-F-L000-01A(H) 180° SA-EHTF-1400-F-L000-00A(H)
绝缘电阻	Insulation resistance	≥ 500 MΩ 1000 V DC	≥ 500 MΩ 1000 V DC
耐电压	Withstanding voltage	3500V AC(50/60HZ) 60s no flashover, breakdown, leakage current ≤5mA	3500V AC(50/60HZ) 60s no flashover, breakdown, leakage current ≤5mA
额定电流	Rated current	300A	400A
温升	Temperature rise	<50K	<50K

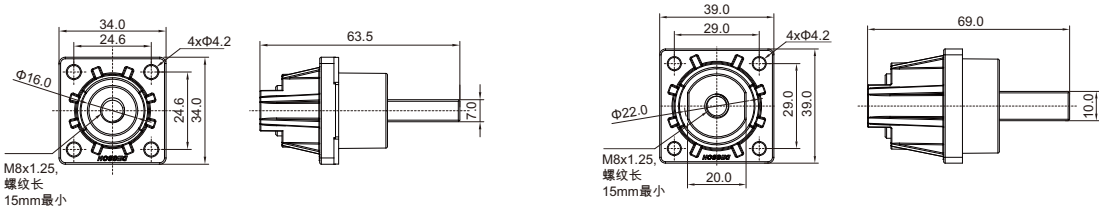
机械性能 Mechanical Performance

是否防转功能	Anti rotation or No	是 yes	是 yes
端子适配螺栓	Terminal adapting bolts	M8×1.25-6g	M8×1.25-6g
安装孔适配螺栓	Mounting Hole adapting bolts	M4	M4
安装尺寸	Mounting size	24.6×24.6mm	29×29mm
接线方向	Wiring direction	90°,180°	90°,180°

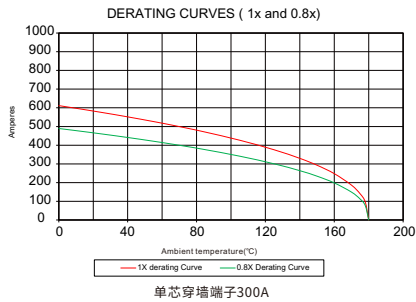
环境性能 Environmental Performance

阻燃等级	Flame retardant grade	UL94-V0	UL94-V0
耐盐雾	Salt spray resistance	72H	72H
工作温度	Working temperature	-40~125℃	-40~125℃

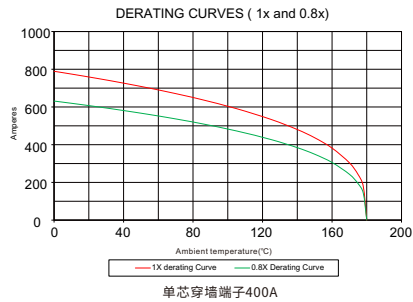
外形尺寸 Size



降额曲线依据 Derating curve according to (DIN EN 60512-5-2)



单芯穿墙端子300A



单芯穿墙端子400A



国标交流车辆端插座
GB/T AC socket

产品定义 Definition

标准	Standard	GB/T20234-2-2015
充电模式	Charging mode	3
连接方式	Connection mode	C
充电电流类型	Current type	AC
外壳颜色	Housing color	黑色 Black
翻盖颜色	Shell color	黑色 Black

环境性能 Environmental Performance

环境温度(工作)	Ambient temperature (working)	-30 ~ 50℃
环境温度(存储)	Ambient temperature (storage)	-40 ~ 80℃
最高海拔	Highest altitude	5000M
防护等级	Ingress protection	工作状态IP55, 保护盖IP54 Working condition IP55, Protective cap IP54

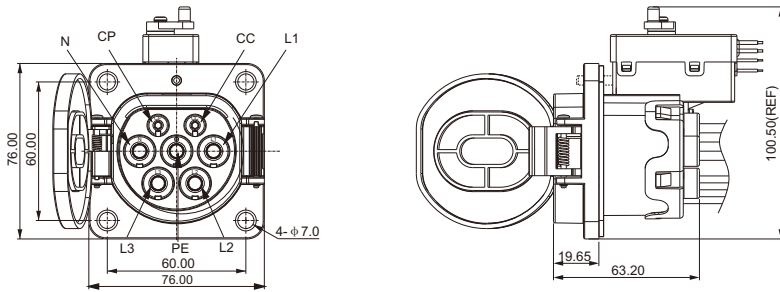
机械性能 Mechanical Performance

插拔次数	Insertion / Withdrawal cycles	> 10000次
插拔力	Insertion / Withdrawal force	< 100N
抗冲击力	Withstanding Impact force	充电接口可承受1米高度跌落 Charging interface can withstand 1 meter height drop

电气性能 Electrical Performance

额定电流	Rated current	16A, 32A
额定电压	Rated voltage	250V/ 480V
动力插孔数	Power contact number	3(L, N, PE) 5(L1, L2, L3, N, PE)
信号触点数	Signal contact number	2(CC, CP)
信号触点电流	Signal pin current	2A
绝缘电阻	Insulation resistance	> 100MΩ

外形尺寸 Size





国标直流车辆端插座
GB/T DC socket

产品定义 Definition

标准	Standard	GB/T20234.3-2015
充电模式	Charging mode	4
连接方式	Connection mode	C
充电电流类型	Current type	DC
外壳颜色	Housing color	黑色 Black
翻盖颜色	Shell color	黑色 Black

环境性能 Environmental Performance

环境温度(工作)	Ambient temperature (working)	-30 ~ +50℃
环境温度(存储)	Ambient temperature (storage)	-40 ~ +80℃
最高海拔	Highest altitude	5000M
防护等级	Ingress protection	IP54

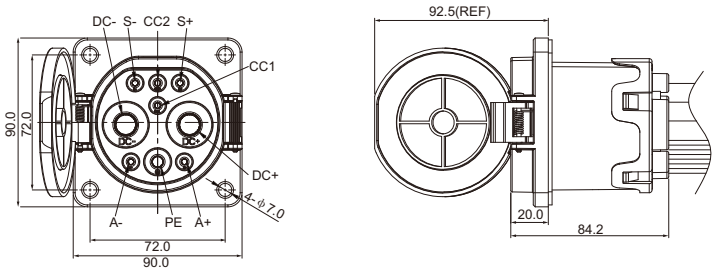
机械性能 Mechanical Performance

插拔次数	Insertion / Withdrawal cycles	> 10000次
插拔力	Insertion / Withdrawal force	< 140N
抗冲击力	Withstanding Impact force	充电接口可承受1米高度跌落 Charging interface can withstand 1 meter height drop

电气性能 Electrical Performance

额定电流	Rated current	125A, 200A, 250A
额定电压	Rated voltage	750V/1000V
动力插孔数	Power contact number	3(DC+, DC-, PE)
信号触点数	Signal contact number	6(A+, A-, CC1, CC2, S+, S-)
信号触点电流	Signal pin current	20A(A+, A-) 2A(CC1, CC2, S+, S-)
绝缘电阻	Insulation resistance	> 100MΩ

外形尺寸 Size



国标交直流一体充电插座
Chinese standards AC and DC socket

产品定义 Definition

标准	Standard	GB/T20234-2-2015/ GB/T20234-3-2023
充电模式	Charging mode	3/4
连接方式	Connection mode	C
充电电流类型	Current type	AC/DC
外壳颜色	Housing color	黑色 Black
翻盖颜色	Shell color	黑色 Black

环境性能 Environmental Performance

环境温度(工作)	Ambient temperature (working)	-30 ~ +50℃
环境温度(存储)	Ambient temperature (storage)	-40 ~ +80℃
最高海拔	Highest altitude	5000M
防护等级	Ingress protection	IP54(插合后IP55 IP 55, After interpolation)

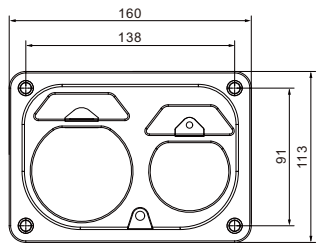
机械性能 Mechanical Performance

插拔次数	Insertion / Withdrawal cycles	> 10000次
插拔力	Insertion / Withdrawal force	AC < 100N DC < 140N
抗冲击力	Withstanding Impact force	充电接口可承受1米高度跌落 Charging interface can withstand 1 meter height drop

电气性能 Electrical Performance

额定电流	Rated current	AC:32A DC:125A 最大400A(选配) Maximum current: 400A (optional)
额定电压	Rated voltage	AC 250V / DC 1000V
动力插孔数	Power contact number	3(L, N, PE)/(DC+, DC-, PE)
信号触点数	Signal contact number	2(CC CP) /4(S+ S- CC1 CC2)
信号触点电流	Signal pin current	2A
绝缘电阻	Insulation resistance	≥100MΩ

外形尺寸 Size





国标一体模式二
GB/T mode 2 EV Charger

产品定义 Definition

标准	Standard	GB/T18487, GB/T20234
充电模式	Charging mode	2
连接方式	Connection mode	B
充电电流类型	Current type	AC
外壳颜色	Housing color	黑色 Black
翻盖颜色	Shell color	黑色 Black

环境性能 Environmental Performance

环境温度(工作)	Ambient temperature (working)	-30 ~ 50°C
环境温度(存储)	Ambient temperature (storage)	-40 ~ 80°C
最高海拔	Highest altitude	2000M
防护等级	Ingress protection	充电枪线缆 IP55 EV charging cable IP55

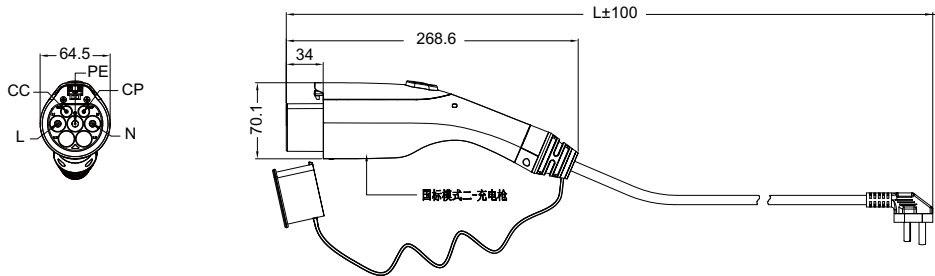
机械性能 Mechanical Performance

插拔次数	Insertion / Withdrawal cycles	> 10000次
插拔力	Insertion / Withdrawal force	< 100N
抗冲击力	Withstanding Impact force	充电接口可承受1米高度跌落与2吨汽车碾压 Charging interface can withstand 1 meter height drop and 2 tons of car rolling

电气性能 Electrical Performance

额定电流	Rated current	8A、10A、13A、16A
额定电压	Rated voltage	250V
动力插孔数	Power contact number	3(L, N, PE)
信号触点数	Signal contact number	2(CP PP)
信号触点电流	Signal pin current	2A
绝缘电阻	Insulation resistance	> 5MΩ

外形尺寸 Size



欧标模式二充电枪
Type2 mode 2 EV Charger

产品定义 Definition

标准	Standard	IEC 62196-2:2016
充电模式	Charging mode	2
连接方式	Connection mode	B
充电电流类型	Current type	AC
外壳颜色	Housing color	Black
翻盖颜色	Shell color	Black

环境性能 Environmental Performance

环境温度(工作)	Ambient temperature (working)	-30 ~ 50°C
环境温度(存储)	Ambient temperature (storage)	-40 ~ 80°C
最高海拔	Highest altitude	2000M
防护等级	Ingress protection	充电枪线缆 IP54 IC-CPD Ip66

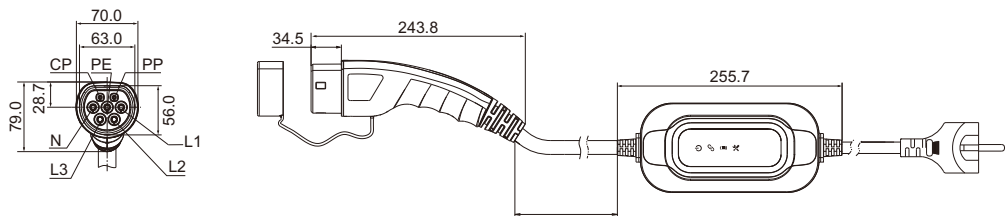
机械性能 Mechanical Performance

插拔次数	Insertion / Withdrawal cycles	> 10000次
插拔力	Insertion / Withdrawal force	< 100N
抗冲击力	Withstanding Impact force	充电接口可承受1米高度跌落与2吨汽车碾压 Charging interface can withstand 1 meter height drop and 2 tons of car rolling

电气性能 Electrical Performance

额定电流	Rated current	8A、10A、13A、16A、32A
额定电压	Rated voltage	250V
动力插孔数	Power contact number	3(L, N, PE)
信号触点数	Signal contact number	2(CP PP)
信号触点电流	Signal pin current	2A
绝缘电阻	Insulation resistance	> 5MΩ

外形尺寸 Size



品质保证

Quality assurance

质量核心因素 Core factor of quality

质量核心因素来自于不同行业、领域的,对产品、过程控制的重要标准规范

The core factors of quality come from the important standards and specifications of product and process control in different industries and field

认证机构和标志 Certification bodies and safety marks

产品认证是国际通行的产品质量保证模式,是与国际接轨的必然选择,提高产品的信誉度

Product certification is an internationally accepted model of product quality assurance, and it is an inevitable choice in line with international standards to improve the credibility of products



特殊领域的认证 Certification in specific fields

DEGSON的充电连接器通过了各大安全质量实验室的认证
DEGSON's EV Chargers are certified by major safety and quality laboratories

IATF 证书 Certificate

世界上主要的汽车制造商及协会于1996年成立的一个专门机构

A specialized organization established in 1996 by the world's major automobile manufacturers and associations

UL 证书 Certificate

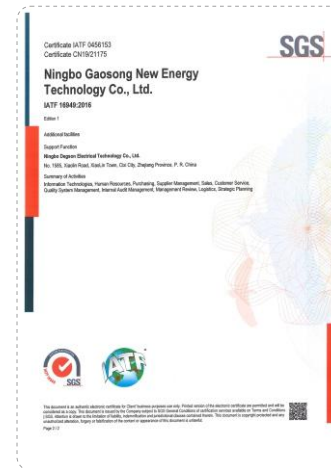
美国安全检定实验室,国际权威和公认的公共安全试验、鉴定机构,严密

The United States safety verification laboratory, the international authority and recognized public safety testing, authentication institutions, strict organization and management system and product certification procedures

CQC 证书 Certificate

中国国家认证机构,国家批准的管理体系和产品认证机构

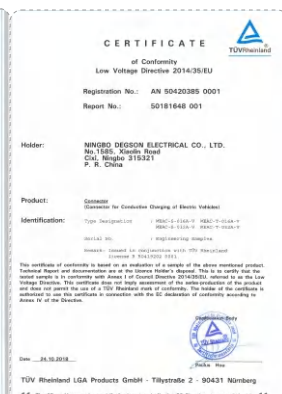
China national certification body, state-approved management system and product certification body



TUV 证书 Certificate

- 德国莱茵认证,面向国际市场的TUV+CE+CB认证
- 欧标直流充电枪 TUV证书
- 欧标充电枪CB证书,可用于使用欧标标准国家的证书转换
- 中国国家认证机构,国家批准的管理体系和产品认证机构

- Germany Rheinland certification, TUV +CE+CB certification for the international market
- CCS2 TUV certification
- Type 2 EV Charger CB certificate can be used for certificate conversion using European standard countries
- China national certification body, state-approved management system and product certification body





产品研发、技术团队400多人

- 高级产品研发160+
- 专业模具研发团队45+
- 自动化生产设备研发45+
- 工程技术190+
- 连续四届被评为“国家高新技术企业”
- 国家级专精特新“小巨人”企业
- 省级高新技术企业研究开发中心
- 宁波市专利示范企业

R&D staff more than 400

- 160 engineers for product development
- 45 engineers for mould development
- 45 engineers for automated development
- 190 engineers for engineering technology
- Awarded "National High-tech Enterprise" for four consecutive years
- National-level professional, refined, characteristic and innovative "little giant" enterprise
- Provincial level high-tech enterprise R&D center
- Ningbo patents model enterprise



定制化服务

- 专业化的团队，从开发、生产、质量保证到实施阶段提供全方位的专业支持，为您设计和生产定制化解决方案
- 供应商早期参与，涵盖原材料挑选、可制造性设计(DFM)、试验设计(DOE)、模流分析、产品原型制作等、缩短项目时间、降低客户成本
- 可快速提供3D打印样品

Customized services

- Professional team provides comprehensive professional support from development, production, quality assurance to implementation stages, Design and produce customized solutions for you.
- Early involvement of suppliers, covering raw material selection, DFM, DOE, model flow analysis, product prototype production, etc., reducing project time and customer costs.
- Can quickly provide 3D printing samples.



高压连接器定制
Customization of high-voltage connectors



高压配电盒定制
Customized high-voltage distribution box



电动压缩机busbar
Busbar electric compressor



全球高压充电系统制造商，
为客户提供定制化解决方案

Global High Voltage System manufacturer
Providing customization solution for clients

