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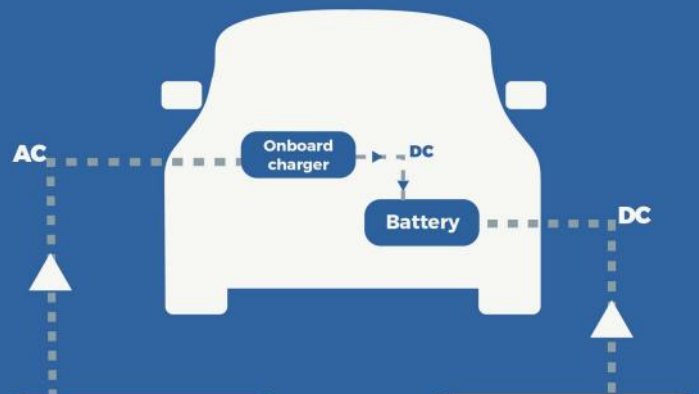
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EV CHARGING INTERFACE

FAST RESPONSE FLEXIBILITY RELIABILITY



AG ELECTRICAL HOLD THE FUTURE



AC
2kW to 43kW

DC
50kW to 150kW+

N AMERICA



J1772
(Type1)

EU



IEC62196-2
(Type2)

N AMERICA



CCS1

EU



CCS2

CHINA



GB/T

ALL MARKET



TESLA

JAPAN



CHAdeMO

CHINA



GB/T(DC)

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GB/T

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Original Design & Equipment Manufacturing

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GLOBAL CERTIFIED SUPPLIER



OUTSTANDING QUALITY



FAST, FLEXIBLE AND RELIABLE



ADVANCED MATERIAL

COMPANY PROFILE

AG ELECTRICAL team is dedicated to serving the renewable energy industry with years of product R&D and manufacturing experience. We primarily focus on electric vehicle charging interface, industrial design, and supply chain integration. we specialize in building three products production lines that conform to the GB/T Chinese national standard, the IEC European standard, and the SAE American standard. This commitment to global standards ensures that our products are of the highest quality, meeting the needs of our customers all around the world.

AG ELECTRICAL handles independent R&D, Customize, Products Assembling. AG products are recognized by users all around the world. The Vision of AG ELECTRICAL is to serve in the global Renewable energy industry through utilizing the most advanced technologies, scientifically analyzing our products performance, and by working with the pioneers, innovators, and key point leaders (KOLs) in the Renewable energy communities.

Our mission is to grow and develop our network via providing the highest quality EV components and services, that ultimately enhance people's lives through science and technology.

We deliver by fostering a work environment that values and rewards integrity, respect, and performance while contributing positively to the communities that we serve.

认证体系



GB/T AC CHARGING PLUG

GB/T Standardization Administration of the People's Republic of China

Introduction

The plug conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
 Have one or two PTC (PT1000) thermistor (can match with hella lock) ,have functions of signal feedback.
 The head of pins using safety insulation design to prevent direct contact with the hand.



Feature

- GB/T Interface
- IP55



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

Customized Coating



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-GAC-32P-3P	1010	32A	440V	5*6mm ² +4*0.75mm ² (P2)
AG-GAC-63P-3P	1011	63A	440V	5*16mm ² +4*0.75mm ² (P2)

GB/T AC Charging Plug

Current	32A/63A
Voltage	440V
Charging Standard	GB/T 20234.2-2015

Customization Options

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000 MΩ(DC 500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

GB/T AC CHARGING PLUG

GB/T Standardization Administration of the People's Republic of China

Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
 Using riveting pressure process with none screw and beautiful appearance
 .Hand - held design conform to the ergonomic principle, easy plug.
 The head of pins using safety insulation design to prevent direct contact with the hand.
 Reliable material ,flame retardant, pressure proof , wear - resisting , impact resistance, high oil proof .



Feature

- GB/T Interface
- IP55
- Coating



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

Customized Coating



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-GAC-16P-2	1002	10/16A	250V	3*2.5mm ² +2*0.75mm ²
AG-GAC-32P-4	1006	32A	250V	3*6mm ² +2*0.75mm ²
AG-GAC-16P-3P	1009	16A	440V	5*2.5mm ² +2*0.75mm ²
AG-GAC-32P-3P	1010	32A	440V	5*6mm ² +4*0.75mm ²

GB/T AC Charging Plug

Current	10A/16A/32A
Voltage	250V/440V
Charging Standard	GB/T 20234.2-2015

Customization Options

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000 MΩ(DC 500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

GB/T DC CHARGING PLUG

GB/T Standardization Administration of the People's Republic of China

Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
 Have one or two PTC (PT1000) thermistor.
 Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.
 Developed for portable DC charging pile ,beautiful appearance with hand - held design and small in volume make installation easily, insertion and withdrawal conveniently .



Feature

- GB/T Interface
- IP 55



Material

- PC+PBT Alloy
- TPE

Cable Assembly

- Copper Alloy, Silver Plated
- Silicon Ruber
- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-GDC-32P-3	1020	32A	1000V	3*6mm ² +2*4mm ² +4*0.75mm ² (P2)
AG-GDC-40P-2	1022	40A	1000V	3*10mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(3*0.75mm ²)

GB/T AC Charging Plug

Current	32A/40A
Voltage	1000V
Charging Standard	GB/T 20234.2-2015

Customization Options

Cable Length	Yes ☑
Cable Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External	1m Drop and 2T Vehicle Run Over
Force	UL94 V-0
Flame Retardant Grade	-30°C+50°C
Operating Temperature	IP55 IK08
Protection	<100N

Electrical Performance

Insulation Resistance	>2000MΩ (DC1000V)
Pins Temperature Rise	<50K
Withstand Voltage	4500V (DC+/DC-/PE)
Contact Impedance	0.5 MΩ MAX

GB/T DC CHARGING PLUG

GB/T Standardization Administration of the People's Republic of China

Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
 Have one or two PTC (PT1000) thermistor.
 Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.
 Developed for portable DC charging pile ,beautiful appearance with hand - held design and small in volume make installation easily, insertion and withdrawal conveniently .



Feature

- GB/T Interface
- IP 55



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

Customized Coating



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-GDC-80P-3	1025	80A	1000V	2*20mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC-125P	1027	125A	1000V	2*35mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC-150P	1028	150A	1000V	2*50mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC-200P	1029	200A	1000V	2*70mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC-250P-1	1030	250A	1000V	2*80mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)

GB/T AC Charging Plug

Current	80A/125A/150A/200A/250A
Voltage	1000V
Charging Standard	GB/T 20234.2-2015

Customization Options

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External	1m Drop and 2T Vehicle Run Over
Force	UL94 V-0
Flame Retardant Grade	-30°C+50°C
Operating Temperature	IP55 IK08
Protection	<100N

Electrical Performance

Insulation Resistance	>2000MΩ (DC1000V)
Pins Temperature Rise	<50K
Withstand Voltage	4500V (DC+/DC-/PE)
Contact Impedance	0.5 MΩ MAX

GB/T DC CHARGING PLUG

GB/T Standardization Administration of the People's Republic of China

Introduction

The integrated shell structure design is compact, simple, and the protection performance is better than ever before. The shell adopts two-color splicing to achieve drop protection, and the hook is not easy to deform so as to reduce the failure of electric unlocking. The electronic lock uses motor type with low power and powerful unlock system. Manual unlock is super simple in case of failure. TPU cable sheath has good flexibility and elasticity, lighter, stronger than ever before.



Feature

- GB/T Interface
- IP55



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

Customized



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-GDC2-80P	1201	80A	1000V	2*20mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC2-125P	1202	125A	1000V	2*35mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC2-150P	1205	150A	1000V	2*50mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC2-200P	1203	200A	1000V	2*70mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC2-250P	1204	250A	1000V	2*80mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)
AG-GDC2-300P	1206	300A	1000V	2*95mm ² +1*25mm ² +2*4mm ² +2* (2*0.75mm ²) (P2) +2*(4*0.75mm ²)

GB/T DC Charging Plug

Current	80A/125A/150A/200A/250A/300A
Voltage	1000V
Charging Standard	GB/T 20234.2-2015

Customization

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External	1m Drop and 2T Vehicle Run Over
Force	UL94 V-0
Flame Retardant Grade	-30°C~+50°C
Operating Temperature	IP55 IK08
Protection	<100N

Electrical Performance

Insulation Resistance	>2000MΩ (DC1000V)
Pins Temperature Rise	<50K
Withstand Voltage	4500V (DC+/DC-/PE)
Contact Impedance	0.5 MΩ MAX

New GB/T DC Charging Cable with TPU Cable Material Lighter, Softer, Tougher Max Current 300A

GB/T AC V2L PLUG

GB/T Standardization Administration of the People's Republic of China

Introduction

As the battery of electric vehicles is getting bigger, many vehicle brands apply V2L (Vehicle to Load), that is, external discharge function of electric vehicles. The direct current of the power battery is converted into alternating current to meet the needs of users using electrical appliances.



Feature

- GB/T Interface
- IP55
- Coating



Vehicle Application

- BYD
- Hongqi E-HS3, E-HS9
- Lynk&Co 06PHEV, 09PHEV
- Other with V2L Function

Customized



Scenario

- camping
- V2L

Specification	Code	Current	Voltage	Cable Specification
AG-GAC-V2L	1050	16A	250V	3*2.5mm ² +2*0.75mm ²

GB/T AC V2L Plug

Current	16A
Voltage	250V
Charging Standard	GB/T 20234.2-2015

Customization

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000 MΩ(DC 500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

GB/T AC PORTABLE CHARGER

GB/T Standardization Administration of the People's Republic of China

Introduction

Power input plug can be customized.
The control box has OLED display function, which can display the charging status in real time, including current, voltage and circuit board temperature.
The coating color can be customized.
The current can be adjusted on demand with delay charging, built-in intelligent chip real-time monitoring of the working status and automatically repair the problems encountered in the charging process.



Feature

- GB/T Interface
- IP55
- IP67



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Rubber



Customized

Wall Plug



Specification	Code	Current	Voltage	Cable Specification
AG-T-GM-16P-11	6003	16A	220V	5*2.5mm ² +2*0.75mm ²
AG-T-GM-32P-12	6008	32A	220V	3*6mm ² +1*0.75mm ²

GB/T AC PORTABLE CHARGER

Current	16A/32A
Voltage	250V
Charging Standard	GB/T 20234.2-2015

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C+50°C
Protection	IP55 IK08
Insertion Force	<100N

PROTECTION

Overvoltage	Yes☑	Over temperature	Yes☑
Undervoltage	Yes☑	Over overload	Yes☑
grounding	Yes☑	Lightning	Yes☑
Leakage	Yes☑		

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

GB/T AC CHARGING SOCKET

GB/T Standardization Administration of the People's Republic of China

Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.
Matching One or two PTC 1000 (NTC / thermal switch)
Easy Installing position
Reliable Material with IP 55



Feature

- GB/T Interface
- IP55

Vehicle Application

- PC+PBT Alloy
- Copper Alloy, Silver Plated

Accessory

- ELECTRONIC LOCK



Specification	Code	Current	Voltage	Cable Specification
AG-GAC-16S	1032	16A	250V	3*2.5mm ² +2*0.75mm ²
AG-GAC-32S	1033	32A	250V	3*6mm ² +2*0.75mm ²
AG-GAC-16S-3P	1034	16A	440V	5*2.5mm ² +4*0.75mm ²
AG-GAC-32S-3P	1035	32A	440V	5*6mm ² +2*0.75mm ²
AG-GAC-63S-3P	1036	63A	440V	5*16mm ² +4*0.75mm ²

GB/T AC CHARGING SOCKET

Current	16A/32A/63A
Voltage	250V/440V
Charging Standard	GB/T 20234.2-2015

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C+50°C
Protection	IP55 IK08
Insertion Force	<100N

CUSTOMIZATION

Cable Length	Yes☑
Cable Crimp	Yes☑
Logo Printing	Yes☑

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

GB/T DC CHARGING SOCKET

GB/T Standardization Administration of the People's Republic of China

Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/T 20234.2-2015. Electromagnetic locking device (can match with hela lock), integrated with signal feedback. Protection cap can be installed on the left side, the right side or the front of it. Reliable material with consolidated quality, strengthened metal interface. Flame retardant, pressure proof, wear-resisting, impact resistance.



Feature	Material	Accessory
<ul style="list-style-type: none"> GB/T Interface IP55 	<ul style="list-style-type: none"> PC+PBT Alloy Copper Alloy, Silver Plated 	<ul style="list-style-type: none"> Electromagnetic Lock Metal Socket for options

Specification	Code	Current	Voltage	Cable Specification
AG-GDC-32S	1037	32A	1000V	3*6mm ² +2*4mm ² +2*2*0.75mm ² +2*(3*0.75mm ²)
AG-GDC-40S	1038	40A	1000V	3*10mm ² +2*4mm ² +2*2*0.75mm ² +2*(3*0.75mm ²)
AG-GDC-80S	1039	80A	1000V	2*20mm ² +1*25mm ² +2*4mm ² +2*0.75mm ² (P2)+5*0.75mm ²
AG-GDC-125S	1040	125A	1000V	2*35mm ² +1*25mm ² +2*4mm ² +2*0.75mm ² (P2)+5*0.75mm ²
AG-GDC-150S	1041	150A	1000V	2*50mm ² +1*25mm ² +2*4mm ² +2P(4*0.75mm ²)+2P(2*0.75mm ²)
AG-GDC-200S-1	1042	200A	1000V	2*70mm ² +1*25mm ² +2*4mm ² +2*0.75mm ² (P2)+5*0.75mm ²
AG-GDC-250S	1044	250A	1000V	2*95mm ² +1*25mm ² +2*4mm ² +2*0.75mm ² (P2)+5*0.75mm ²

GB/T DC CHARGING SOCKET	
Current	32A/40A/80A/125A/150A/200A/250A
Voltage	1000V
Charging Standard	GB/T 20234.2-2015

CUSTOMIZATION	
Cable Length	Yes ☑
Cable Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties	
Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance	
Insulation Resistance	>2000MΩ (DC1000V)
Pins Temperature Rise	<50K
Withstand Voltage	4500V (DC+/DC-/PE)
Contact Impedance	0.5 MΩ MAX

IEC AC CHARGING CABLE

IEC International Electrotechnical Commission

Introduction

Conform to the provisions and requirements of IEC 62196-2:2016 2-1le. Third Generation Technology without screw. Ergonomic design with modern appearance. XLPO for cable insulation with better life span. TPU sheath improved the bending life and wear. Applied with double color coating technology by customize color service.



Feature	Material	Customized / coating	Cable Assembly
<ul style="list-style-type: none"> IEC Interface IP55 	<ul style="list-style-type: none"> PC+PBT Alloy TPU Copper Alloy, Silver Plated Silicon Rubber 		<ul style="list-style-type: none"> Picture

Specification	Code	Current	Voltage	Cable Specification
AG-IAC-16A	3001	16A	250V	3*2.5mm ² +2*0.5mm ²
AG-IAC-32A	3002	32A	250V	3*6mm ² +2*0.5mm ²
AG-IAC-16A-3p	3003	16A	480V	5*2.5mm ² +2*0.5mm ²
AG-IAC-32A-3p	3004	32A	480V	5*6mm ² +2*0.5mm ²

IEC AC CHARGING CABLE	
Current	16A/32A
Voltage	250V/480V
Charging Standard	IEC 62196-2

CUSTOMIZATION	
Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties	
Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance	
Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC CHARGING CABLE

Introduction

Conform to the provisions and requirements of IEC 62196-2:2016 2-11b. Third Generation Technology without screw. Ergonomic design with modern appearance.

XLPO for cable insulation with better life span
TPU sheath improved the bending life and wear.

Applied with double color coating technology by customize color service.



Feature

- IEC Interface
- IP55



Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

Customized / coating



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-IAC-16A	3001	16A	250V	3*2.5mm ² +2*0.5mm ²
AG-IAC-32A	3002	32A	250V	3*6mm ² +2*0.5mm ²
AG-IAC-16A-3p	3003	16A	480V	5*2.5mm ² +2*0.5mm ²
AG-IAC-32A-3p	3004	32A	480V	5*6mm ² +2*0.5mm ²

IEC AC CHARGING CABLE

Current	16A/32A
Voltage	250V/480V
Charging Standard	IEC 62196-2

CUSTOMIZATION

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC SHUTTER CHARGING SOCKET

Introduction

Conform to the requirements of IEC 62196-2:2016 2-11b
NFC Certified

Match with Hella lock device

Patented shutter function with crimp or screw installation

Reliable material with consolidated quality. Flame retardant, pressure proof, wear-resisting, impact resistance.



Feature

- IEC Interface
- IP55



Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

Customized

- Crimp
- Screw



Accessory

- Hella
- Actuator



Specification	Code	Current	Voltage	Cable Specification
AG-IAC-SH	3020	16/32A	250V/480V	3*2.5mm ² +2*0.5mm ² /3*6mm ² +2*0.5mm ² 5*2.5mm ² +2*0.5mm ² /5*6mm ² +2*0.5mm ² 3*6mm ² +2*0.5mm ² /3*6mm ² +2*0.5mm ² 5*6mm ² +2*0.5mm ² /5*6mm ² +2*0.5mm ²

IEC AC SHUTTER CHARGING SOCKET

Current	16A/32A
Voltage	250V/480V
Charging Standard	IEC 62196-2

CUSTOMIZATION

Cable Length	Yes ☑
Crimp/Screw	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External	1m Drop
Force	UL94 V-0
Flame Retardant Grade	-30°C~+50°C
Operating Temperature	IP55 IK08
Protection	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC CHARGING SOCKET

Introduction

Conform to the requirements of IEC 62196-2 2016 2-11b
Smaller with crimp or screw installation
Match with different actuator
Reliable material with consolidated quality. Flame retardant, pressure proof, wear-resisting, impact resistance.



Feature

- IEC Interface
- IP55



Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

Customized / coating

- Crimp
- Screw

Cable Assembly

- Electromagnetic lock
- mechanical lock

Specification	Code	Current	Voltage	Cable Specification
AG-IAC-32S-3	3223	16/32A	250V	3*2.5mm ² +2*0.5mm ² /3*6 mm ² +2*0.5mm ²
		16/32A	480V	5*2.5mm ² +2*0.5mm ² /5*6 mm ² +2*0.5mm ²
AG-IAC-32S-4	3224	16/32A	250V	3*6mm ² +2*0.5mm ² /3*6mm ² +2*0.5mm ²
		16/32A	480V	5*6mm ² +2*0.5mm ² /5*6mm ² +2*0.5mm ²

IEC AC CHARGING SOCKET

Current	16A/32A
Voltage	250V/480V
Charging Standard	IEC 62196-2

CUSTOMIZATION

Cable Length	Yes ☑
Crimp/Screw	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC SHUTTER CHARGING SOCKET

Introduction

Conform to the requirements of IEC 62196-2 2016 2-11b
Crimp or screw installation
Match with different actuator
Reliable material with consolidated quality. Flame retardant, pressure proof, wear-resisting, impact resistance.



Feature

- IEC Interface
- IP55



Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

Customized

- Crimp
- Screw

Accessory

- Hella
- Actuator

Specification	Code	Current	Voltage	Cable Specification
AG-IAC-16S	3015	16A	250V	3*2.5mm ² +2*0.5mm ²
		16A	480V	5*2.5mm ² +2*0.5mm ²
AG-IAC-32S-1	3016	32A	250V	3*6mm ² +2*0.5mm ²
		32A	480V	5*6mm ² +2*0.5mm ²
AG-IAC-16S-1	3017	16A	250V	3*2.5mm ² +2*0.5mm ²
		16A	480V	5*2.5mm ² +2*0.5mm ²
AG-IAC-32S-2	3018	32A	250V	3*6mm ² +2*0.5mm ²
		32A	480V	5*6mm ² +2*0.5mm ²

IEC AC CHARGING SOCKET

Current	16A/32A
Voltage	250V/480V
Charging Standard	IEC 62196-2

CUSTOMIZATION

Cable Length	Yes ☑
Crimp/Screw	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC PORTABLE CHARGER

IEC International Electrotechnical Commission

Introduction

Power input plug can be customized.
The control box has OLED display function, which can display the charging status in real time, including current, voltage and circuit board temperature.
The coating color can be customized.
The current can be adjusted on demand with delay charging, built-in intelligent chip real-time monitoring of the working status and automatically repair the problems encountered in the charging process.



Feature

- IEC Interface
- IP55
- IP67



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Ruber



Customized

Wall Plug



Specification	Code	Current	Voltage	Cable Specification
AG-T-IM-16P-11	6002	16A	220V	3*2.5mm ² +1*0.5mm ²
AG-T-IM-16P-21	6004	16A	220V	3*2.5mm ² +2*0.5mm ²
AG-T-IM-32P-11	6006	32A	220V	3*6mm ² +2*0.5mm ²
AG-T-IM-32P-21	6007	32A	220V	3*6mm ² +1*0.5mm ²

IEC AC PORTABLE CHARGER

Current	16A/32A
Voltage	250V
Charging Standard	IEC 62196-2

PROTECTION

Overvoltage	Yes ☑	Over temperature	Yes☑
Undervoltage	Yes ☑	Over overload	Yes☑
grounding	Yes ☑	Lightning	Yes☑
Leakage	Yes ☑		

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC TYPE2 - TYPE2 CHARGING CABLE

IEC International Electrotechnical Commission

Introduction

Conform to the provisions and requirements of IEC 62196-2 11e/11b.
Third Generation Technology without screw. Ergonomic design with modern appearance.
XLPO for cable insulation with better life span
TPU sheath improved the bending life and wear.
Applied with double color coating technology by customize color service.



Feature

- IEC Interface
- IP55



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

Customized



Cable Assembly

- Straight
- Spiral



Specification	Code	Current	Voltage	Cable Specification
AG-T-II-16P	3005	16A	250V	3*2.5mm ² +2*0.5mm ²
AG-T-II-32P	3006	32A	250V	3*6mm ² +2*0.5mm ²
AG-T-II-16P-3p	3007	16A	480V	5*2.5mm ² +2*0.5mm ²
AG-T-II-32P-3p	3008	32A	480V	5*6mm ² +2*0.5mm ²

IEC AC TYPE2 - TYPE2 CHARGING CABLE

Current	16A/32A
Voltage	250V/480V
Charging Standard	IEC 62196-2

CUSTOMIZATION

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC GB/T - TYPE2 CHARGING CABLE



Introduction

Conform to the provisions and requirements of IEC 62196-2 IIB/GB/T 20234.2. Third Generation Technology without screw. Ergonomic design with modern appearance.
XLPO for cable insulation with better life span
TPU sheath improved the bending life and wear.
Applied with double color coating technology by customize color service.



Feature

- IEC /GB/T Interface
- IP55
-



Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

Customized Color



Specification	Code	Current	Voltage	Cable Specification
AG-T-IG-32P	3011	32A	250V	3*6mm ² +2*0.5mm ²
AG-T-IG-32P-3P	3211	32A	440V	5*6mm ² +2*0.5mm ²

IEC AC GB/T - TYPE2 CHARGING CABLE

Current	32A
Voltage	250V/440V
Charging Standard	IEC 62196-2,GB/T 20234.2

CUSTOMIZATION

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC AC TYPE2 - TYPE1 CHARGING CABLE



Introduction

Conform to the provisions and requirements of IEC 62196-2 IIB/SAEJ1772. Third Generation Technology without screw. Ergonomic design with modern appearance.
XLPO for cable insulation with better life span
TPU sheath improved the bending life and wear.
Applied with double color coating technology by customize color service.



Feature

- IEC/SAE Interface
- IP55
-



Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

Customized Color



Cable Assembly

- Straight
- Spiral



Specification	Code	Current	Voltage	Cable Specification
AG-T-IS-16P	3009	16A	250V	3*2.5mm ² +2*0.5mm ²
AG-T-IS-32P	3010	32A	250V	3*6mm ² +2*0.5mm ²

IEC AC TYPE2 - TYPE1 CHARGING CABLE

Current	16A/32A
Voltage	250V
Charging Standard	IEC 62196-2,SAEJ1772

CUSTOMIZATION

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

IEC DC CHARGING CABLE



Introduction

Conform to the provisions and requirements of IEC 62196-3.
Third Generation Technology without screw. Ergonomic design with modern appearance.
XLPO for cable insulation with better life span
TPU sheath improved the bending life and wear.
IP55, Lighter, soft, but stronger.



Feature

- IEC Interface
- IP55



Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-IDC-80P	3023	80A	1000V	2*16mm ² +1*25mm ² +(6*0.75mm ²)(P2)
AG-IDC-125P	3024	125A	1000V	2*35mm ² +1*25mm ² +(6*0.75mm ²)(P2)
AG-IDC-150P	3025	150A	1000V	2*50mm ² +1*25mm ² +(6*0.75mm ²)(P2)
AG-IDC-200P	3026	200A	1000V	2*70mm ² +1*25mm ² +(6*0.75mm ²)(P2)
AG-IDC-250P	3029	250A	1000V	2*80mm ² +1*25mm ² +(6*0.75mm ²)(P2)
AG-IDC-300P	3031	300A	1000V	2*95mm ² +1*25mm ² +(6*0.75mm ²)(P2)

IEC DC CHARGING CABLE

Current	80A/125A/150A/200A/250A/300A
Voltage	1000V
Charging Standard	IEC 62196-3

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

CUSTOMIZATION

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

**New IEC DC Charging Cable with TPU Cable Material
Lighter, Softer, Tougher
Max Current 300A
PEAK 500A, 10 Minutes for 80%**

SAE AC CHARGING CABLE



Introduction

Conform to the provisions and requirements of SAEJ1772-2012.
Third Generation Technology without screw. Ergonomic design with modern appearance.
XLPO for cable insulation with better life span
TPU sheath improved the bending life and wear.
Applied with double color coating technology by customize color service.



Feature

- SAE Interface
- IP55



Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

Customized Color



Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-SAC-16P	2001	16A	250V	3*2.5mm ² +2*0.5mm ²
AG-SAC-32P	2002	32A	250V	3*6mm ² +2*0.5mm ²

SAE AC CHARGING CABLE

Current	16A/32A
Voltage	250V
Charging Standard	SAEJ1772

CUSTOMIZATION

Cable Length	Yes ☑
Cable Color	Yes ☑
Plug Color	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

SAE AC CHARGING SOCKET

Introduction

Conform to the provisions and requirements of SAEJ1772-2012. Protection cap can be installed on the left side, the right side or the front of it. Reliable material with consolidated quality, strengthened metal interface. Flame retardant, pressure proof, wear-resisting, impact resistance.



Feature

- J1772 Interface
- IP55



Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

Cable Assembly

- Picture



Specification	Code	Current	Voltage	Cable Specification
AG-SAC-S-16P	2007	16A	250V	3*2.5mm ² +2*0.5mm ²
AG-SAC-S-32P	2007	32A	250V	3*6mm ² +2*0.5mm ²

SAE AC CHARGING SOCKET

Current	16A/32A
Voltage	250V
Charging Standard	SAEJ1772

CUSTOMIZATION

Cable Length	Yes ☑
Logo Printing	Yes ☑

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

SAE AC PORTABLE CHARGER

Introduction

Power input plug can be customized. The control box has OLED display function, which can display the charging status in real time, including current, voltage and circuit board temperature. The coating color can be customized. The current can be adjusted on demand with delay charging, built-in intelligent chip real-time monitoring of the working status and automatically repair the problems encountered in the charging process.



Feature

- J1772 Interface
- IP55



Material

- PC+PBT Alloy
- TPE/TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

Customized



Wall Plug



Specification	Code	Current	Voltage	Cable Specification
AG-T-SM-16P-11	6001	16A	220V	3*2.5mm ² +2*0.5mm ²
AG-T-SM-32P-11	6005	32A	220V	3*6mm ² +2*0.5mm ²

SAE AC PORTABLE CHARGER

Current	16A/32A
Voltage	250V
Charging Standard	SAE J1772

PROTECTION

Overvoltage	Yes ☑	Over temperature	Yes ☑
Undervoltage	Yes ☑	Over overload	Yes ☑
grounding	Yes ☑	Lightning	Yes ☑
Leakage	Yes ☑		

Mechanical Properties

Mechanical Life	No-load Plug>10000 times
Impact of External Force	1m Drop and 2T Vehicle Run Over
Flame Retardant Grade	UL94 V-0
Operating Temperature	-30°C~+50°C
Protection	IP55 IK08
Insertion Force	<100N

Electrical Performance

Insulation Resistance	>1000MΩ (DC500V)
Pins Temperature Rise	<50K
Withstand Voltage	2500V
Contact Impedance	0.5 MΩ MAX

ACCESSORIES



GB/T DC Dummy Socket
Code:1048



SAE AC Dummy Socket-
Code:2006



GB/T AC Dummy Socket
Code:1046



IEC AC Dummy Socket
Code:30141



IEC AC Dummy Socket
Code:3014



IEC DC Dummy Socket
Code: 3028



Electronic Lock
Code: 4022



Hella Actuator Lock
Code: 4024

EV CHARGING SPIRAL CABLE



Introduction

It is generally made of TPU cable. The power connection used to control the movement of mobile devices can rebound quickly in a short time. It is widely used in mobile devices such as automobiles, machines, instruments and so on. According to the direction, there are mainly left direction coil spring and right direction coil spring.



Feature

- Conform to the provisions and requirements of 62196-2 IEC 2010
- Flexibility and Elasticity
- Non-toxic and Environment-friendly polymer
- High strength, Wear resistance, Cold resistance, High temperature resistance
- Oil resistance, Water resistance, Aging resistance

Code	Outer Diameter	Spiral Diameter	Specification
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It is Customized

AG CERTIFICATION SYSTEM

AG OEM/ODM SERVICE



ISO 9001 ISO 14001 OHSAS 18001

AG ELECTRICAL strictly implements IATF 16949 and ISO 9001 international quality management system. We have obtained TUV CE RoHS CCC ISO certificates. There are various charging interfaces and charging solutions in accordance with SAE J1772, GB/T20234, IEC 62196 and other standards, so as to apply to multiple brands of electric vehicles and charging stations. We have many years cable manufacture experiences and independent research, development and production of cables.

Customization is the most accepted competitive advantage of us from raw material to finished Industrial Products. Our products are exported to Europe, southeast Asia and other countries and regions, and has been recognized by users around the world.



AG team obtained the certification of TUV connectors and cables in January 2019, which means our products can officially enter into the European market.



We have obtained the relevant certification of IATF 16949 by TUV SUD and are qualified to cooperate with most main engine plants.



RoHS and "CE" marks are compulsory certification marks in the EU market, with irreplaceable importance. We can provide relevant documents if our clients ask for it.



This is an international system created within the International Electrotechnical Commission (IEC) for conformity assessment of electrical and electronic products and components.



The UKCA (UK Conformity Assessed) marking is the UK's replacement for the CE marking. It may be applied from Single Market Exit Day on 1 January 2021.

OEM: Original Equipment Manufacturing

Refers to the production in accordance with your specific conditions, all design drawings are completely in accordance with the design of your company to carry out manufacturing processing. AG ELECTRICAL OEM includes color,length,logo,packing,etc.

ODM: Original Design Manufacturer/Private Labeling

It Means that the importer selects an already-existing product design from a factory catalog, makes a few small changes and sells it under their own brand name. Changes can include things like packaging or product bundles, colors and branding, and some limited adjustments to components or functionality. AG ELECTRICAL ODM includes product appearance design,function setting,new product development,etc

20+ Years SUPPLY CHAIN MANUFACTURE OEM/ODM EXPERIENCE

