丹阳天恩新能源有限公司

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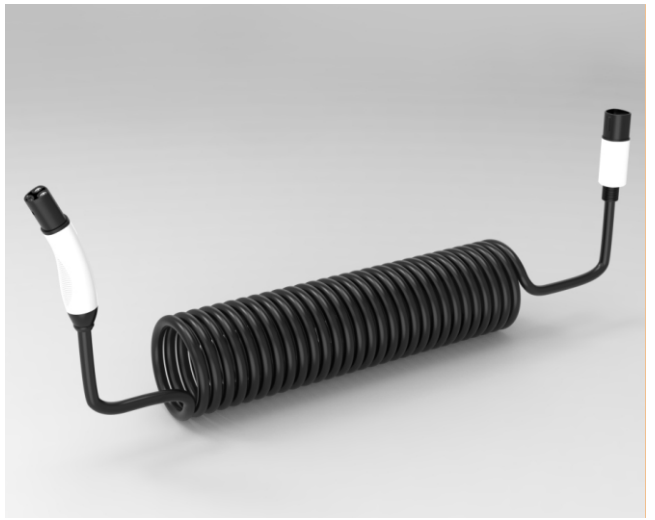
EV Charging

CATALOGUE 2024

EV CHARGING

Directory

Tesla EV Charger Extension Cable



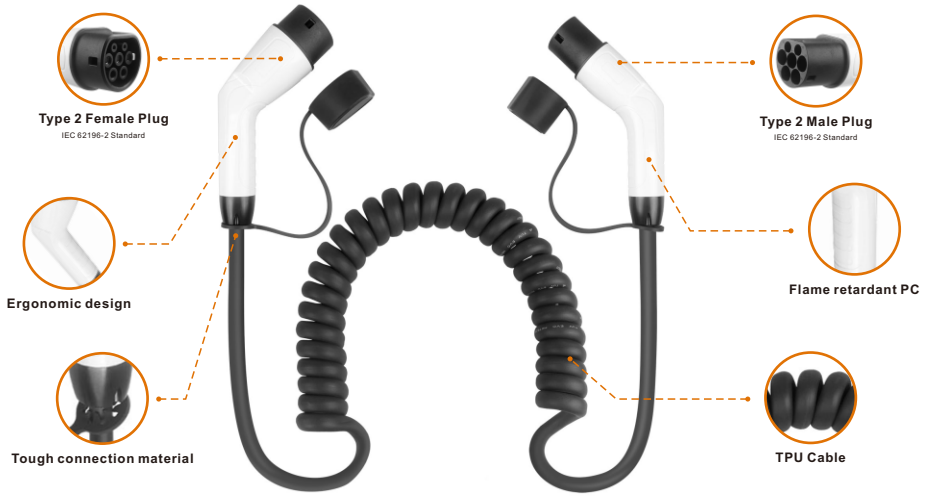
ELECTRICAL PERFORMANCE

Item	AC EV Charger Station
Product Model	ST-E140
Rated Current	30-50A
Rated Power	11.5KW
Cable Spec.	2*8AWG+1*10AWG+2*18AWG
Operation Voltage	AC 240V(level 2)
Contact Resistance	0.5MΩ Max
Mechanical Life	No-Load Plug In / Pull Out > 10000 Tims
Rate Frequency	50Hz/60Hz
Leakage Protection	TOC 6mA(Optional)
Shell Material	ABS+PC
Status Indication	LCD Status Indicator
Flame Retardant Grade	UL94 V-0
With stand Voltage	2000V
Relative Humidity	5%-95%
Operation Temperature	-30°C~ +55°C
Storage Temperature	-40°C~ +70°C
Waterproof Protection	IP55
Weight	5.0KG
Standard	UI2594 3rd Ed, UL 2231-1-2021, UL 2231-2-2020, UL 991-3rd ED, NACS
Certification	ETL, FCC Approved
Protection	1. Leakage Current Protection 2. Over Current Protection 3. Over Voltage Protection 4. Under Voltage Protection 5. Over Temperature protection 6. Low Temperature Protection 7. Short Circuit Protection 8. Surge Protection 9. Overload Protection (self-checking recovery)

Type-2 EV Charging Cable

(European Standard) 16A / 32A

ST-E254



CHARACTERISTIC

Single-phase/Three-phase Power

Single-phase and three-phase power systems are well-suited for everyday residential use and enjoy widespread adoption. They rank among the most commonly used electrical circuits in the market.

Cable Material: TPU (Thermoplastic Polyurethane)

Our cables are crafted from TPU (Thermoplastic Polyurethane), renowned for its comfortable tactile feel, exceptional resistance to abrasion and high temperatures, and its ability to maintain flexibility even in environments as cold as -35°C.

High hardness, flame retardant PC material

Compact and Convenient

The EV charging cable can be wall-mounted, offering a space-saving and convenient charging solution.

Memory Function Enabled by HELIX Cables, Silver-Plated Contacts for Corrosion Resistance, and Robust Rubberized Ergonomic Grip Design

ST-E253

- **Patented Self-Retracting Cable with Shape Memory:** This innovative cable features a patented self-retracting mechanism with shape memory. After use, it neatly rolls up into a helical shape and can be easily stored away.
- **Efficient and Space-Saving:** The spiralization of the EV charging cable allows for exceptionally efficient and space-saving storage.
- **Elevated Coiled Cable, Eco-Friendly**---"When connected between the charging pole and the vehicle, the coiled cable remains elevated above the ground, resulting in reduced environmental impact compared to horizontally laid, smooth cables."
- **Silver-Plated Durability**--"Durable and Resilient: Our cables and plugs are built to withstand the rigors of vehicle use, featuring silver-plated contacts for enhanced durability."
- "**Robust & Waterproof** "---"An oil-resistant and longitudinally watertight EV charging cable, meeting IP55 standards for high moisture protection. It operates effectively within an operating temperature range of -40°C to 50°C."
- **Tangle-free** "The dimensionally stable design ensures that the EV charging cable remains tangle-free."

TYPE 2 EV CHARGING CABLE

ST-E250 Type 2 M To Type 2 F EV Charging Cable

Product Features

1.Terminal: Copper silver plating thickness (120μ)
2.IP Grade: IP66
3.Compatibility: IEC 62196-2
4.Accessories: EV Charging Cable *1pcs PE bag carton packing
5.Insulation resistance: >100MΩ
6.Contact resistance: 0.5mΩMax
7.Fire rating: UL94V-0
8.Operating Temperature: -30°C~+50°C
9.Sealing Gasket: Silicone rubber elastomer

16A 250V	16A 480V	32A 250V	32A 480V
Power : 3.5KW	Power : 11KW	Power : 7KW	Power : 22KW
Color : White	Color : White	Color : White	Color : White
Wire Gauge : 3*2.5mm² +0.5mm²	Wire Gauge : 5*2.5mm² +0.5mm²	Wire Gauge : 3*6mm² +0.5mm²	Wire Gauge : 5*6mm² +0.5mm²
OD : 11mm	OD : 13mm	OD : 13mm	OD : 16mm

ST-E251 Type 2 M To Type 2 F TUV Certified EV Charging Cable

Product Features

1.Terminal: Copper silver plating thickness (120μ)
2.IP Grade: IP67
3.Compatibility: IEC 62196-2
4.Accessories: EV Charging Cable *1pcs PE bag carton packing
5.Insulation Resistance: >100MΩ
6.Contact Resistance: 0.5mΩMax
7.Fire Rating: UL94V-0
8.Operating Temperature: -30°C~+50°C
9.Sealing Gasket: Silicone rubber elastomer

16A 250V	16A 480V	32A 250V	32A 480V
Power : 3.5KW	Power : 11KW	Power : 7KW	Power : 22KW
Color : White	Color : White	Color : White	Color : White
Wire Gauge : 3*2.5mm² +0.5mm²	Wire Gauge : 5*2.5mm² +0.5mm²	Wire Gauge : 3*6mm² +0.5mm²	Wire Gauge : 5*6mm² +0.5mm²
OD : 11mm	OD : 13mm	OD : 13mm	OD : 16mm

ST-E252 Type 2 To GBT EV Charging Cable

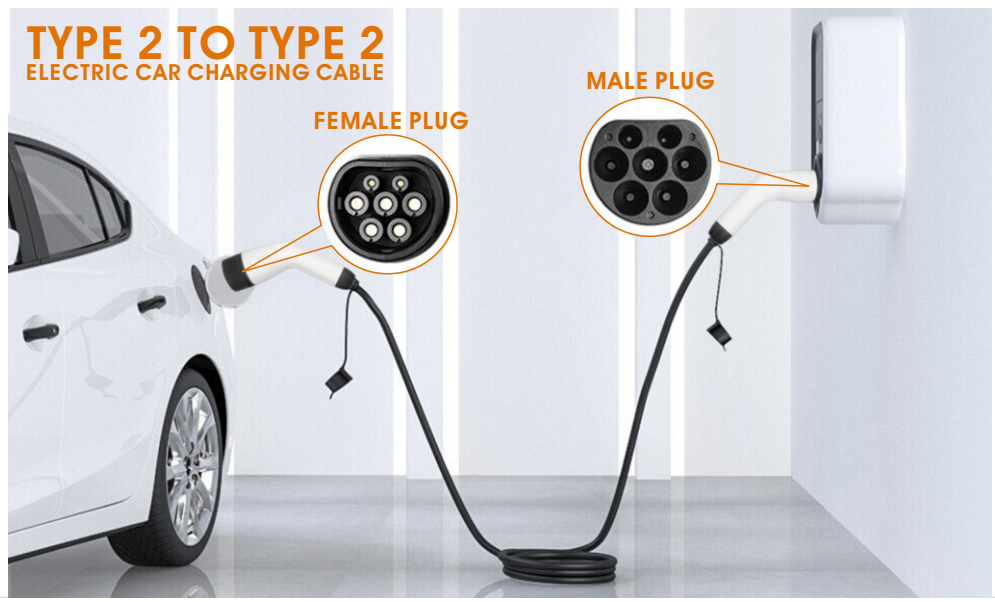
Product Features

1.Current: 32A
2.Voltage: 220V～380V
3.Power: 22KW
4.Cable Length: 3M/5M
5.Color: White
6.IP Grade: IP67
7.Accessories: EV Charging Cable *1pcs PE bag carton packing
8.Insulation Resistance: >100MΩ
9.Contact Resistance: 0.5mΩMax
10.Fire rating: UL94V-0
11.Operating Temperature: -30°C ~ +50°C
12.Sealing Gasket: Silicone rubber elastomer

ST-E150 Type 2 To Type 1/J1772 EV Charging Cable

Product Features

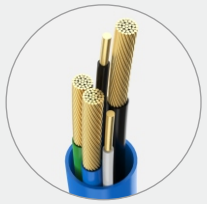
1.Current: 32A
2.Voltage: 220V~240V
3.Power: 7.6KW
4.Cable Length: 5M
5.Colour: White
6.IP Grade: IP67
7.Accessories: EV Charging Cable *1pcs PE bag carton packing
8.Insulation Resistance: >100MΩ
9.Contact Resistance: 0.5mΩMax
10.Fire Rating: UL94V-0
11.Operating Temperature: -30°C ~ +50°C
12.Sealing Gasket: Silicone rubber elastomer



INTELLIGENT RECOGNITION PORTABLE EV CHARGER 2.0 (TESLA)

ELECTRICAL PERFORMANCE

Item	AC EV Charger Station	
Product Model	ST-E106	
Rated Current	15A	50A
Rated Power	1.7KW	11.5KW
Cable Spec.	3*12AWG+2*18AWG	2*8AWG+1*10AWG+2*18AWG
Operation Voltage	AC 110V(level 1)	AC 240V(level 2)
Contact Resistance	0.5MΩ Max	
Mechanical Life	No-Load Plug In / Pull Out >10000 Times	
Rated Frequency	50Hz/60Hz	
Leakage Protection	TDC 6mA (Optional)	
Shell Material	ABS+PC	
Status Indication	LCD Status Indicator	
Flame Retardant Grade	UL94 V-0	
Withstand Voltage	2000V	
Relative Humidity	5%-95%	
Operation Temperature	-30°C~ +55°C	
Storage Temperature	-40°C~ +70°C	
Waterproof Protection	IP55	
EV control Box Size	260mm (L) x 120mm (W) x 60mm (H)	
Weight	5.0KG	
Standard	UL 2594 3rd Ed, UL 2231-1-2021, UL 2231-2-2020, UL 1998 3rd, UL 991-3rd Ed , NACS	
Certification	ETL, FCC Approved	
Protection	1. Leakage Current Protection 2. Over Current Protection 3. Over Voltage Protection 4. Under Voltage Protection 5. Over Temperature protection 6. Low Temperature Protection 7. Short Circuit Protection 8. Surge Protection 9. Overload Protection (self-checking recovery)	



EV Charger Accessories

SAFE FAST CHARGING

Over-voltage protection

Male(NACS)

SOLD SEPERATELY

Additional NEMA Adapters(designed with a recognition circuit inside).

- NEMA 5-15P
- Current: Maximum 15 Amperes
- Voltage: 120 Volts
- Power: Maximum 1800 Watts

- NEMA 14-50P
- Current: Maximum 50 Amperes
- Voltage: 240 Volts
- Power: Maximum 12000 Watts

- NEMA 6-30P
- Current: Maximum 30 Amperes
- Voltage: 240 Volts
- Power: Maximum 7200 Watts

- NEMA 6-50P
- Current: Maximum 50 Amperes
- Voltage: 240 Volts
- Power: Maximum 12000 Watts

- NEMA 14-30P
- Current: Maximum 30 Amperes
- Voltage: 240 Volts
- Power: Maximum 7200 Watts

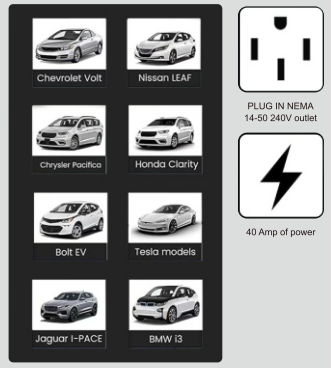
INTELLIGENT RECOGNITION PORTABLE EV CHARGER 2.0 (US)

ELECTRICAL PERFORMANCE

Item	AC EV Charger Station	
Product Model	ST-E105	
Rated Current	15A	30A
Rated Power	1.7KW	3.5KW
Cable Spec.	3*12AWG+2*18AWG	3*10AWG+2*18AWG
Operation Voltage	AC 110V(level 1)	AC 240V(level 2)
Contact Resistance	0.5MΩ Max	
Mechanical Life	No-Load Plug In / Pull Out >10000 Times	
Rated Frequency	50Hz/60Hz	
Leakage Protection	TDC 6mA (Optional)	
Shell Material	ABS+PC	
Status Indication	LCD Status Indicator	
Flame Retardant Grade	UL94 V-0	
Withstand Voltage	2000V	
Relative Humidity	5%-95%	
Operation Temperature	-30°C~+55°C	
Storage Temperature	-40°C~+70°C	
Waterproof Protection	IP55	
EV control Box Size	260mm (L) x 120mm (W) x 60mm (H)	
Weight	6.0KG	
Standard	UL 2594 3rd Ed, UL 2231-1-2021, UL 2231-2-2020, UL 1998 3rd, UL 991-3rd Ed , SAE J1772	
Certification	ETL, FCC Approved	
Protection	1. Leakage Current Protection 2. Over Current Protection 3. Over Voltage Protection 4. Under Voltage Protection 5. Over Temperature protection 6. Low Temperature Protection 7. Short Circuit Protection 8. Surge Protection 9. Overload Protection (self-checking recovery)	

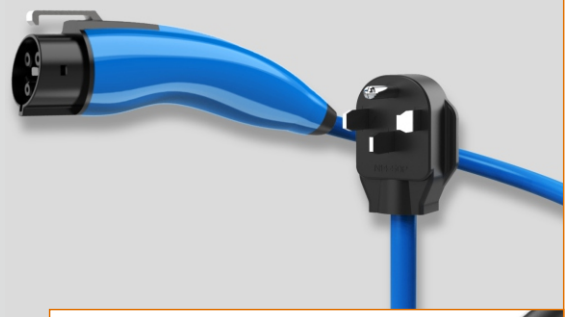
ONE CABLE FITS ALL COMPATIBLE WITH J1772 EVS

TESLA require o SAE J1772 adapter



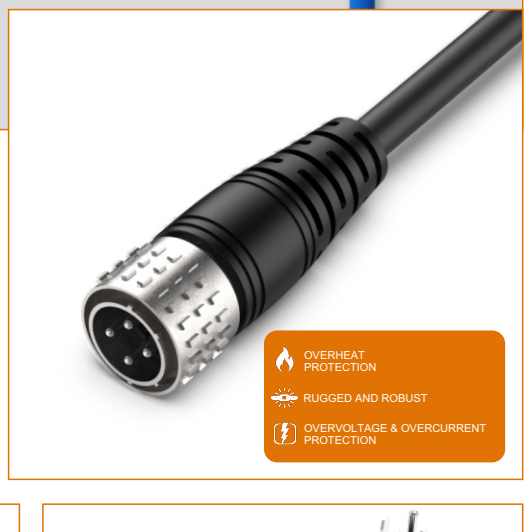
PLUG IN NEMA 14-50 240V outlet

40 Amp of power



SOLD SEPERATELY

Additional NEMA Adapters(designed with a recognition circuit inside).



- NEMA 5-15P
- Current: Maximum 15 Amperes
- Voltage: 120 Volts
- Power: Maximum 1800 Watts

- NEMA 14-50P
- Current: Maximum 50 Amperes
- Voltage: 240 Volts
- Power: Maximum 12000 Watts

- NEMA 6-30P
- Current: Maximum 30 Amperes
- Voltage: 240 Volts
- Power: Maximum 7200 Watts

- NEMA 6-50P
- Current: Maximum 50 Amperes
- Voltage: 240 Volts
- Power: Maximum 12000 Watts

- NEMA 14-30P
- Current: Maximum 30 Amperes
- Voltage: 240 Volts
- Power: Maximum 7200 Watts

Type 1 Portable EV Charging Cable (US Standard)

ST-E104

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A/40A/48A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 1 Portable EV Charging Cable (US Standard)

ST-E103

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A/40A/48A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 1 Portable EV Charging Cable (US Standard)

ST-E108

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A/40A/48A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 1 Portable EV Charging Cable (US Standard)

ST-E101

ST-E100

ST-E100

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A/40A/48A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

TESLA AC WALL BOX EV CHARGING STATION

Maximum Power: 11.5KW(240V, 32A)

ODM&OEM

Choose What You Want

Type 1 Wall Box EV Charging Station

Data sheet	Model	SAE
		ST-E155
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(9.6KW),7kg(11.5KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC110V-240V
	Frequency	50/60Hz
	Rated Power	7KW/9.6KW/11.5KW
	Maximum Current	32A/40A/48A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

Type 1 Wall Box EV Charging Station

Data sheet	Model	SAE
		ST-E153
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(9.6KW),7kg(11.5KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC110V-240V
	Frequency	50/60Hz
	Rated Power	7KW/9.6KW/11.5KW
	Maximum Current	32A/40A/48A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

Type 1 Wall Box EV Charging Station

Data sheet	Model	SAE
		ST-E156
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(9.6KW),7kg(11.5KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC110V-240V
	Frequency	50/60Hz
	Rated Power	7KW/9.6KW/11.5KW
	Maximum Current	32A/40A/48A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

AC EV Charging Wall Box & Station(US Standard & Type 1 Plug)

Data sheet	Model	SAE
		ST-E157
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	(7.6KW)6kg,(9.6KW)6kg,(11.5KW)7kg
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC220V-240V±10%
	Frequency	50/60Hz
	Rated Power	7.6KW/7.6KW/11.5KW
	Maximum Current	32A/40A/48A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	Gun head IP67 / Control box IP54
	Impact Protection	Ik10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

AC EV Charging Wall Box & Station(US Standard & Type 1 Plug)

ST-E152

ST-E151

Data sheet	Model	SAE
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	(7.6KW)6kg,(9.6KW)6kg,(11.5KW)7kg
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC220V-240V±10%
	Frequency	50/60Hz
	Rated Power	7.6KW/7.6KW/11.5KW
	Maximum Current	32A/40A/48A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	Gun head IP67 / Control box IP54
	Impact Protection	Ik10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

INTELLIGENT RECOGNITION PORTABLE EV CHARGER 2.0 (EU)

ELECTRICAL PERFORMANCE

Item	AC EV Charger Station	
Product Model	ST-E209	
Rated Current	16A	32A
Rated Power	3.5KW	7KW
Cable Spec.	3x2.5mm²+2x0.75mm²	3x6mm²+2x0.75mm²
Operation Voltage	AC 240V	
Contact Resistance	0.5MΩ Max	
Mechanical Life	No-Load Plug In / Pull Out >10000 Times	
Rated Frequency	50Hz/60Hz	
Leakage Protection	TDC 6mA (Optional)	
Shell Material	ABS+PC	
Status Indication	LCD Status Indicator	
Flame Retardant Grade	UL94 V-0	
Withstand Voltage	2000V	
Relative Humidity	5%-95%	
Operation Temperature	-30°C~ +55°C	
Storage Temperature	-40°C~ +70°C	
Waterproof Protection	IP55	
EV control Box Size	260mm (L) x 120mm (W) x 60mm (H)	
Weight	5.0KG	
Standard	IEC 62752, IEC 61851,IEC 62196-1, IEC 62196-2	
Certification	TUV, CE Approved	
Protection	1. Leakage Current Protection 2. Over Current Protection 3. Over Voltage Protection 4. Under Voltage Protection 5. Over Temperature protection 6. Low Temperature Protection 7. Short Circuit Protection 8. Surge Protection 9. Overload Protection (self-checking recovery)	

INTELLIGENT RECOGNITION PORTABLE EV CHARGER 2.0 (EU)

UK PLUG

UK intelligence adapter

- Designed with a recognition circuit inside
- Small, delicate and powerful
- Quick and easy
- Stuedy and durable
- Intelligent recognition Intelligent charging

- European standard - Domestic Plug
- Schuko 16A
- Current: Maximum 16 Amperes
- Voltage: 230 Volts
- Power: Maximum 3680 Watts
- Applicable Countries: Germany, France, Netherlands, Portugal, Austria, Belgium, Spain, Sweden, Norway, Denmark, Finland, Greece, Hungary, Poland, Slovakia.

- European standard - Domestic Plug
- Schuko 13A
- Current: Maximum 13 Amperes(typically)
- Voltage: 230 Volts
- Power: Maximum 2990 Watts
- Applicable Countries: Bermuda, Cayman Islands, Gibraltar, Federated States of Micronesia, British Virgin Islands, Falkland Islands, Cayman Islands, Falkland Islands, British Indian Ocean Territory, Saint Helena.

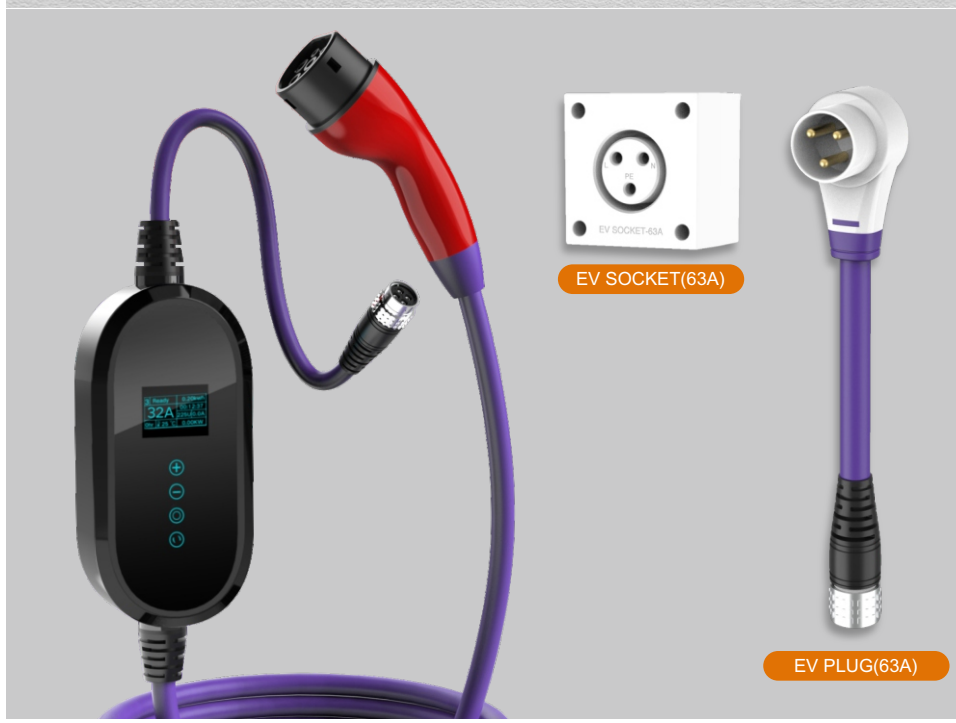
- European standard - Domestic Plug
- Australian AS/NZS 3112 Standard (10A)
- Current: Maximum 10 Amperes or 15 Amperes
- Voltage: 230 Volts
- Power: Maximum 2300 Watts or 3450 Watts
- Applicable Countries: Australia, New Zealand, China (Hong Kong and Macau), Vanuatu, Papua New Guinea, Solomon Islands, Samoa, Fiji.

- European standard - Domestic Plug
- South African Socket (SANS 16A)
- Current: Maximum 16 Amperes
- Voltage: 230 Volts
- Power: Maximum 3680 Watts
- Applicable Countries: South Africa, Eswatini, Botswana, Lesotho, Namibia, Zimbabwe.

- European standard - Domestic Plug
- CEE (32A-3P-7KW)
- CEE Blue Single-Phase 3PIN (CEE 7/4)
- Current: Supports 16A (3.5KW) 32A (7KW)
- Voltage: 230 Volts
- Power: Maximum 3680 Watts

- European standard - Domestic Plug
- CEE (32A-5P-22KW)
- CEE Red Three-Phase Socket (CEE 7/5)
- Current: Supports 16A (11KW) 32A (22KW)
- Voltage: 450 Volts
- Power: Maximum 11000 Watts

INTELLIGENT RECOGNITION
PORTABLE EV CHARGER 2.0 (EU)

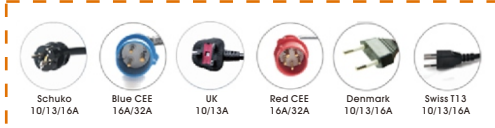


Type 2 Portable EV Charging Cable (European Standard)

ST-E202

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A(Single phase / Three phase)
- Rated Power: 7KW/11KW
- Operation voltage: 250V~480V
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Insulation resistance:>100MΩ(DC500V)
- Withstand voltage: 1500V



ST-E204

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A(Three phase)
- Rated Power: 11KW/22KW
- Operation voltage: 480V
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Insulation resistance:>100MΩ(DC500V)
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 2 Portable EV Charging Cable (European Standard)

ST-E207

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 2 Portable EV Charging Cable (European Standard)

ST-E208

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A
- Operation voltage: 380V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 2 Portable EV Charging Cable (European Standard)

ST-E210

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

Type 2 Portable EV Charging Cable (European Standard)

ST-E201

ST-E200 ST-E200 ST-E203

ELECTRICAL PERFORMANCE

- Rated current: 16A/32A
- Operation voltage: 220V~240V
- Insulation resistance: >100MΩ(DC500V)
- Contact Resistance: 0.5mΩ Max
- Terminal temperature rise: <50K
- Withstand voltage: 1500V

MECHANICAL PROPERTIES

- Mechanical life: no-load plug in/out >1000 times
- Coupled insertion force: 45N<F<100N
- Impat of external force: can afford 1M drop

ENVIRONMENTAL PERFORMANCE

- Operating temperature: -30°C - +50°C

APPLIED MATERALS

- Case material: thermoplastic, flame retardant grade UI94 V-0
  Terminal: Copper alloy, silver plating

CONTROL BOX FUNCTION

- Leakage protection
- Over-temperature protection
- Over-voltage under-voltage protection
- Over load protection
- Ground protection

TYPE 2
WALL BOX EV CHARGING STATION

Maximum Power: 22KW(480V, 32A)

WALL BOX EV CHARGING FAMILY

Choose What You Want

Type 2 Wall Box EV Charging Station

Data sheet	Model	IEC
		ST-E308
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(11KW),7kg(22KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC220V-480V
	Frequency	50/60Hz
	Rated Power	7KW/11KW/22KW
	Maximum Current	16A/32A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

Type 2 Wall Box EV Charging Station

Data sheet	Model	IEC
		ST-E303
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(11KW),7kg(22KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC220V-480V
	Frequency	50/60Hz
	Rated Power	7KW/11KW/22KW
	Maximum Current	16A/32A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

Type 2 Wall Box EV Charging Station

Data sheet	Model	IEC
		ST-E305
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(11KW),7kg(22KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC220V-480V
	Frequency	50/60Hz
	Rated Power	7KW/11KW/22KW
	Maximum Current	16A/32A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

Type 2 Wall Box EV Charging Station

Data sheet	Model	IEC
		ST-E307
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(11KW),7kg(22KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC220V-480V
	Frequency	50/60Hz
	Rated Power	7KW/11KW/22KW
	Maximum Current	16A/32A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	IP65
	Impact Protection	IK10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

AC EV Charging Wall Box & Station(European Standard & Type 2 Plug)

Data sheet	Model	IEC
		ST-E306
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(11KW),7kg(22KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC80V-480V
	Frequency	50/60Hz
	Rated Power	7KW/9.6KW/11KW/22KW
	Maximum Current	16A/32A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	Gun head IP67 / Control box IP54
	Impact Protection	Ik10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

AC EV Charging Wall Box & Station (European Standard & Type 2 Plug)

ST-E301

ST-E300

Data sheet	Model	IEC
Use case		Home/Personal use/Vehicle
Appearance and structure	Product attributes	Identification(swipe card)
	Installation	Wall mounted type/Column type
	Gross Weight	5kg(7KW),6kg(11KW),7kg(22KW)
	Cabling mode	Down in and out
	Cable Length	5m
	Functional design	LED light bar/display screen(optional)
Electrical performance	Rated Voltage	AC80V-480V
	Frequency	50/60Hz
	Rated Power	7KW/9.6KW/11KW/22KW
	Maximum Current	16A/32A
Safety	Applied environment	Indoor/outdoor
	Ingress Protection	Gun head IP67 / Control box IP54
	Impact Protection	Ik10
	Work Temperature	-30°C ~ +55°C
	Work Humidity	5% ~ 95% without any condensation
	Work Altitude	<2000M
	Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over / Under voltage protection, Over / Under frequency protection, Over / Under temperature protection

EV CHARGER ADAPTER (US Standard)

ST-E001
Type 1 to Tesla
Max 80A 240V

ST-E002
Type 1 to Tesla
Max 80A 240V

ST-E003
Tesla to Type 1
Max 60A 110-240V

ST-E004
Type 1 to GB/T Adapter
Max 32A 110-240V

ST-E005
Type 1 to Type 2 Adapter
Max 32A 110-240V

ST-E006
Type 1 to GB/T Adapter
Max 32A 110-240V

ST-E007
CCS 1 to TESLA Adapter

ST-E054
CCS 2 to TESLA Adapter

EV CHARGER ADAPTER
(US Standard)

ST-E008
Tesla to Type 1
Max 60A 110-240V

ST-E009
Tesla to Type 1
Max 60A 240V

ST-E010
CCS 1 to TESLA Adapter

ST-E050
Type 2 to Type 1 Adapter
Max 32A 240V

ST-E057
Type 2 to Tesla Adapter
Max 32A 220-240V

ST-E060
CCS 2 to CCS 1 Adapter

ELECTRICAL CHARACTERISTICS

- Rated current: 15A-80A
- Rated voltage: 110V-240V
- Contact Resistance: 0.5mΩ Max
- Insulation resistance: >100MΩ
- Terminal temperature rise: <50K
- Withstand voltage: 2000V
- Mechanical Life: No-load Plug>10000times
- Input Frequency: 50~60Hz

SAFETY

- Operating temperature: -30°C - +50°C
- Fire Rating: UL94V-0
- IP Grade: IP 55

EV CHARGER ADAPTER
(European Standard)

ST-E051
Type 2 to Type 2 Adapter
Max 32A 110-240V

ST-E052
Type 2 to GB/T Adapter
Max 32A 110-240V

ST-E052-3P
Type 2 to GB/T Adapter
Max 32A 480V

ST-E053
Type 2 to GB/T Adapter
Max 32A 480V

ST-E056-3P
GB/T to Type 2 Three-phase

ST-E058
Tesla to Type 2 Adapter
Max 32A 220-240V

ST-E059
Type 2 to Type 1 Adapter
Max 32A 110-240V

ELECTRICAL CHARACTERISTICS

- Contact Resistance: 0.5mΩ Max
- Mechanical Life: No-load Plug>10000times
- Insulation resistance: >100MΩ
- Withstand voltage: 2000V
- Input Frequency: 50~60Hz

SAFETY

- Operating temperature: -30°C - +50°C
- Fire Rating: UL94V-0
- IP Grade: IP 55

Discharge

ST-E102 Type 1/J1772 EV Discharge Cable (US Standard)

PRODUCT FEATURES

- Current: 16A
- Voltage: 110V~120V
- Power: 1.6KW
- Weight: About 1KG
- Length: 0.5M or Negotiation
- Input Frequency: 50Hz/60Hz
- Working Humidity: 5%~95% non condensing
- Operating Temperature: -30°C ~ +50°C
- Fire Rating: UL94V-0
- Certificate: CE, RoHS, FCC
- Standard: SAE J1772

ST-E205 Type 2 EV Discharge Cable (European Standard)

PRODUCT FEATURES

- Rated Current: 16A
- Rated Voltage: 220V
- Length: 0.5M
- Product Volume: 80cm*8cm*8cm
- Weight: About 1KG
- Input Frequency: 50Hz/60Hz
- Working Humidity: 5%~95% non condensing
- Operating Temperature: -30°C ~ +50°C
- Working Humidity: <2000M
- Cooling Method: Natural cooling
- Fire Rating: UL94V-0
- Certificate: CE, RoHS
- Standard: IEC 62196-2

Accessories

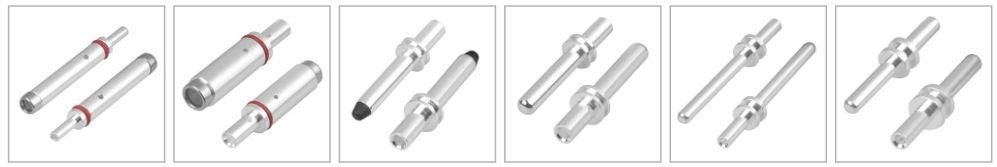
Wire

Rated current	Cable specification	Diameter	Colour	Remarks
16A/1 phase	3*2.5mm²+1*0.75mm²	TPUø10.5mm, TPEø13mm	Black	Accept custom made
16A/3 phase	5*2.5mm²+1*0.75mm²	TPUø13mm, TPEø16.3mm		
32A/1 phase	3*6mm²+1*0.75mm²	TPUø13mm, TPEø16.3mm		
32A/3 phase	5*6mm²+1*0.75mm²	TPUø16.3mm, TPEø18mm		

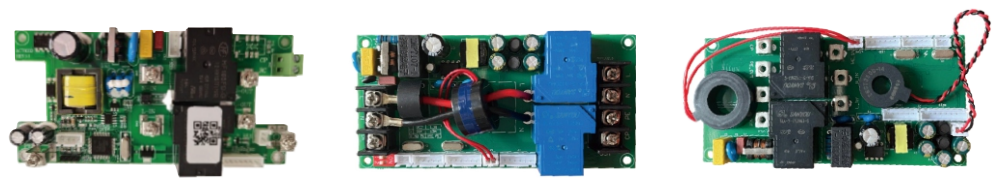
Plug

Configuration Code	A	B	C	D	E	F	G
Configuration Diagram							
Type of power Supply	China U.S.A Japan Conda	U.S.A Japan Conda	Europe Korea	Europe Korea	Europe Korea	Denmark	Switzerland Brazil
Configuration Code	H	I	J	K	L	M	
Configuration Diagram							
Type of power Supply	Britain HongKong Singapore	S. Africa India	Italy	Australia Argentina	China Australia	Israel	

Plug pin



Control board



ENERGY STORAGE CONNECTOR

ST-N001

1.Carrying Current: 120A
2.Rated Voltage: 1000V
3.Wire Gauge: 25mm²
4.Operating Temperature: -40°C~105°C
5.Contact Material: Tinned copper
6.Application: New energy
7.Insulator Material: Silicone wire
8.Fire Rating: UL94V-0
9.Certificate: CE, ROHS, FCC

ST-N002

1.Carrying Current: 200A
2.Rated Voltage: 1000V
3.Wire Gauge: 50mm²
4.Operating Temperature: -40°C~105°C
5.Contact Material: Tinned copper
6.Application: New energy
7.Insulator Material: Silicone wire
8.Fire Rating: UL94V-0
9.Certificate: CE, ROHS, FCC

ST-N003

1.Carrying Current: 120A
2.Rated Voltage: 1000V
3.Wire Gauge: 25mm²
4.Operating Temperature: -40°C~105°C
5.Contact Material: Tinned copper
6.Application: New energy
7.Insulator Material: Silicone wire
8.Fire Rating: UL94V-0
9.Certificate: CE, ROHS, FCC

ST-N004

1.Carrying Current: 200A
2.Rated Voltage: 1000V
3.Wire Gauge: 50mm²
4.Operating Temperature: -40°C~105°C
5.Contact Material: Tinned copper
6.Application: New energy
7.Insulator Material: Silicone wire
8.Fire Rating: UL94V-0
9.Certificate: CE, ROHS, FCC

ST-N101

1.Carrying Current: 120A
2.Rated Voltage: 1000V
3.Wire Gauge: 25mm²
4.Operating Temperature: -40°C~105°C
5.Contact Material: Tinned copper
6.Application: New energy
7.Insulator Material: Silicone wire
8.Fire Rating: UL94V-0
9.Certificate: CE, ROHS, FCC

ST-N102

1.Carrying Current: 200A
2.Rated Voltage: 1000V
3.Wire Gauge: 50mm²
4.Operating Temperature: -40°C~105°C
5.Contact Material: Tinned copper
6.Application: New energy
7.Insulator Material: Silicone wire
8.Fire Rating: UL94V-0
9.Certificate: CE, ROHS, FCC

Energy Storage Harness

| High conductivity
| Low resistance
| Low loss