Manufacturing Green Products
Light Up Future Life

Shanghai Mida EV Power Co.,Ltd.
No.377 of Chengpu Road,Nanqiao Town,
Fengxian District Shanghai 201499,China.
Michael Hu
+86-18221956895
sales@midapower.com
www.midapower.com

MiDA

Shanghai Mida EV Power Co.,Ltd
www.midapower.com

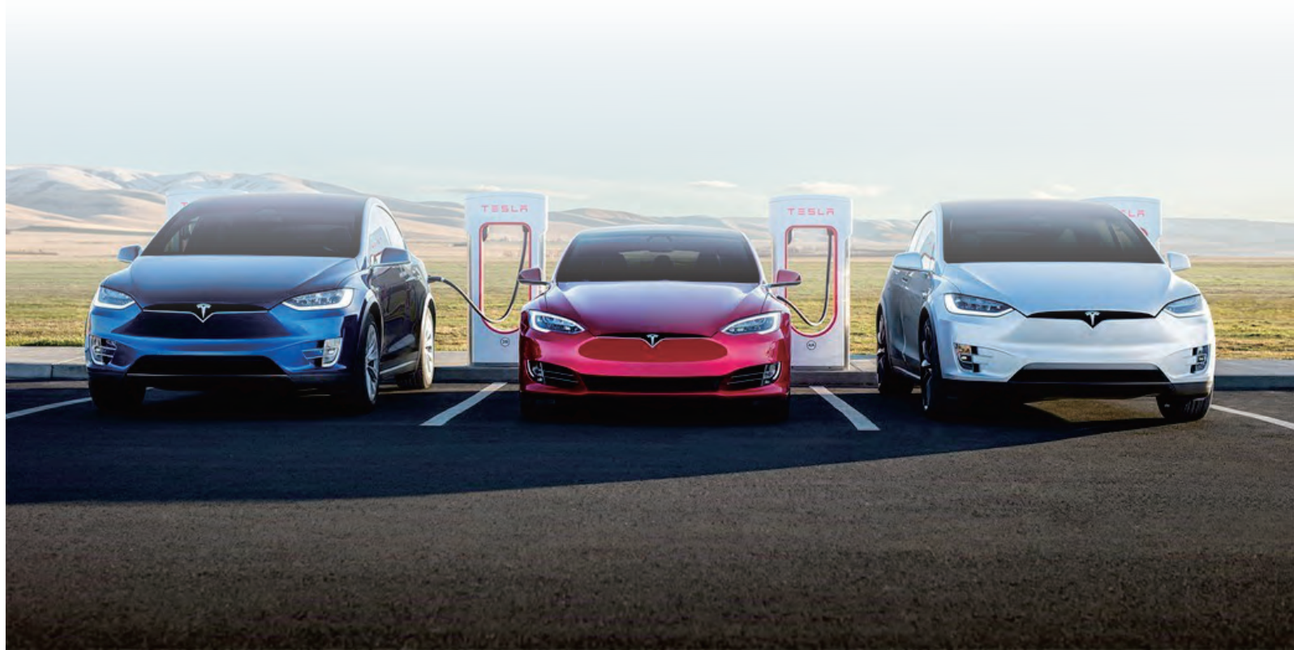
Company Profiles >>>

Shanghai Mida EV Power Co.,Ltd is a professional supplier of electric vehicle components,including all kinds of EV plugs and sockets,EV cables, EV connectors, and EV charging stations. All of our products come with CE,TUV and UL certification.We sell our products to domestic and overseas markets and have a very good reputation.Our products are especially popular in Europe and the America. At present, Mida EV power pay close attention to the development of new energy automotive industry,we determined to become the industry leader and innovator.

Mida Group constantly strive to adhere to our business philosophy of “quality is the soul,the principle of good faith,Innovation leads the future ”. In order to establish a long-term relationship with all of our customers,we will offer a competitive price,high quantity products and a good after-sales-service and we will improve our competitiveness and achieve a win-win situation for us as well as our clients.We are looking forward to cooperation with you .

Achievement and Qualification

Product Catalog



AC EV Charger Connector

Type 1 EV Plug (SAE J1772)

Type 2 Female EV Plug

Type 2 Male EV Plug

Product Feature

Meet SAE J1772-2010 Standard and IEC 62196-2 Standard
Nice appearance，hand-held ergonomic design，easy plug
Thermoplastic,Flame Retardant Grade UL94 V-0
Pin Material: Copper Alloy Silver Plating
TUV ,UL & CE Certificate
Mechanical Life no-load plug in/pull out ＞10000 times
Excellent protection performance,protection grade IP54
Can afford 1m drop and 2t vehicle run over pressure Impat Force:
Reliability of materials,antiflaming,pressure-resistant,
abrasion resistance,impact resistance and high oil

Electrical Performance

Item	Type 1 J1772 EV Plug	Type 2 Female EV Plug	Type 2 Male EV Plug
Standard	SAE J1772-2010	IEC 62196-2	IEC 62196-2
Product Model	MIDA-EVA-16A MIDA-EVA-32A MIDA-EVA-40A MIDA-EVA-50A	MIDA-EVEF-16A-SP MIDA-EVEF-16A-TP MIDA-EVEF-32A-SP MIDA-EVEF-32A-TP	MIDA-EVEM-16A-SP MIDA-EVEM-16A-TP MIDA-EVEM-32A-SP MIDA-EVEM-32A-TP
Rated Current	16A, 32A, 40A, 50A，80Amp	16A，32A (Single /Three Phase)	16A，32A (Single /Three Phase)
Operation Voltage	AC 120V / AC 240V	AC 250/ AC 480V	AC 250/ AC 480V
Insulation Resistance	＞1000MΩ (DC 500V)	＞1000MΩ (DC 500V)	＞1000MΩ (DC 500V)
Withstand Voltage	2000V	2000V	2000V
Contact Resistance	0.5mΩ Max	0.5mΩ Max	0.5mΩ Max
Terminal Temperature Rise	＜50K	＜50K	＜50K
Operating Temperature	-30°C~+50°C	-30°C~+50°C	-30°C~+50°C
Coupled Insertion Force	＞45N＜80N	＞45N＜80N	＞45N＜80N
Impact Insertion Force	＞300N	＞300N	＞300N
Waterproof Degree	IP55	IP55	IP55
Flame Retardant Grade	UL94 V-0	UL94 V-0	UL94 V-0
Certification	UL,CE Approved	TUV,CE Approved	TUV,CE Approved

AC EV Charger Socket

Type 1 EV Socket

Type 2 Female EV Socket

Type 2 Male EV Socket

Product Feature

Meet SAE J1772-2010 Standard and IEC 62196-2 Standard
Nice appearance，hand-held ergonomic design，easy plug
Thermoplastic,Flame Retardant Grade UL94 V-0
Pin Material: Copper Alloy Silver Plating
TUV ,UL & CE Certificate
Mechanical Life no-load plug in/pull out ＞10000 times
Excellent protection performance,protection grade IP54
Can afford 1m drop and 2t vehicle run over pressure Impat Force:
Reliability of materials,antiflaming,pressure-resistant,
abrasion resistance,impact resistance and high oil

Electrical Performance

Item	Type 1 EV Socket	Type 2 Female EV Socket	Type 2 Male EV Socket
Standard	SAE J1772-2010	IEC 62196-2	IEC 62196-2
Product Model	MIDA-EVAS-16A,MIDA-EVAS-32A MIDA-EVAS-40A,MIDA-EVAS-50A	MIDA-EVFS-16A-SP MIDA-EVFS-16A-TP MIDA-EVFS-32A-SP MIDA-EVFS-32A-TP	MIDA-EVMS-16A-SP MIDA-EVMS-16A-TP MIDA-EVMS-32A-SP MIDA-EVMS-32A-TP
Rated Current	16A，32A，40A，50A	16A，32A	16A，32A
Operation Voltage	AC 120V/240V	AC 250V/415V	AC 250V/415V
Insulation Resistance	＞1000MΩ (DC 500V)	＞1000MΩ (DC 500V)	＞1000MΩ (DC 500V)
Withstand Voltage	2000V	2000V	2000V
Contact Resistance	0.5mΩ Max	0.5mΩ Max	0.5mΩ Max
Terminal Temperature Rise	＜50K	＜50K	＜50K
Operating Temperature	-30°C~+50°C	-30°C~+50°C	-30°C~+50°C
Coupled Insertion Force	＞45N＜80N	＞45N＜80N	＞45N＜80N
Impact Insertion Force	＞300N	＞300N	＞300N
Waterproof Degree	IP54	IP54	IP54
Flame Retardant Grade	UL94 V-0	UL94 V-0	UL94 V-0
Certification	UL,CE Approved	TUV,CE Approved	TUV,CE Approved

DC EV Charger Connector

CCS Combo 1 EV Plug

CCS Combo 2 EV Plug

CHAdeMO EV Plug

Product Feature

Meet IEC 62196-3 : 2014
Nice appearance，hand-held ergonomic design，easy plug
Case Material: Thermoplastic,Flame Retardant Grade UL94 V-0
Pin Material: Copper Alloy , Silver Plating
Product entire insertion and extraction force < 100N
Mechanical Life no-load plug in/pull out > 10000 times
Housing Massive structure promote protection performance
Impat Force: Can afford 1m drop and 2t vehicle run over pressure
Reliability of materials,antiflaming,pressure-resistant,
abrasion resistance,impact resistance and high oil

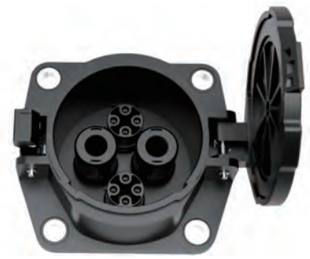
Electrical Performance

Item	CCS Combo 1 EV Plug	CCS Combo 2 EV Plug	CHAdeMO EV Plug
Standard	IEC 62196-3	IEC 62196-3	IEC 62196-3 : 2014
Product Model	MIDA-CSS1-EV80P MIDA-CSS1-EV150P MIDA-CSS1-EV200P	MIDA-CSS2-EV80P MIDA-CSS2-EV125P MIDA-CSS2-EV150P MIDA-CSS2-EV200P	MIDA-CAM-EV90P MIDA-CAM-EV125P MIDA-CAM-EV150P MIDA-CAM-EV200P
Rated Current	80A , 150A , 200A	80A , 125A , 150A , 200A	60A , 90A , 125A , 150A , 200A
Operation Voltage	DC 600V	DC 1000V	DC 500V
DC Max Charging Power	90 KW	127.5 KW	62.5 kW
Insulation Resistance	> 2000MΩ (DC 1000V)	> 2000MΩ (DC 1000V)	5 MΩ or more (DC 500 V)
Withstand Voltage	3200V	3200V	3000V
Contact Resistance	0.5mΩ Max	0.5mΩ Max	0.5mΩ Max
Terminal Temperature Rise	< 50K	< 50K	< 50K
Operating Temperature	-30°C~+50°C	-30°C~+50°C	-30°C~+45°C
Impact Insertion Force	>300N	>300N	>300N
Protection Degree	IP65	IP65	IP54
Flame Retardant Grade	UL94 V-0	UL94 V-0	UL94 V-0
Cable specigication	2 X 50mm²+2 X 6mm² +6 X 0.75mm²	2 X 50mm²+1 X 25mm² +6 X 0.75mm²	2 X35mm²+14 X 0.5mm² +2 X 0.5mm²
Certification	UL,CE Approved	TUV,CE Approved	TUV,CE Approved

DC EV Charger Socket

CCS Combo 1 Inlet Socket

CCS Combo 2 Inlet Socket



CHAdeMO Inlet Socket

Product Feature

Meet IEC 62196-3 : 2014
Nice appearance, Support Back installation
Contact with drainage structure ,improve safety performance
Case Material: Thermoplastic,Flame Retardant Grade UL94 V-0
Pin Material: Copper Alloy , Silver Plating+thermoplastic on the top
Mechanical Life no-load plug in/pull out > 10000 times
Housing Massive structure promote protection performance
Impat Force: Can afford 1m drop and 2t vehicle run over pressure
Safety pins material insulated head design to prevent accidental
direct contact with employee

Electrical Performance

Item	CCS Combo 1 Inlet Socket	CCS Combo 2 Inlet Socket	CHAdeMO Inlet Socket
Standard	IEC 62196-3	IEC 62196-3	IEC 62196-3
Product Model	MIDA-CSS1-EV125S MIDA-CSS1-EV150S MIDA-CSS1-EV200S	MIDA-CSS2-EV125S MIDA-CSS2-EV150S MIDA-CSS2-EV200S	MIDA-CAM-EV80S MIDA-CAM-EV125S MIDA-CAM-EV150S
Rated Current	125A , 150A , 200A	125A , 150A , 200A	80A , 125A , 150A
Operation Voltage	DC 600V	DC 1000V	DC 1000V Max
DC Max Charging Power	90 KW	127.5 KW	50 kW
AC Max Charging Power	41.5 KW	41.5 KW	43 kW
Insulation Resistance	> 2000MΩ (DC 1000V)	> 2000MΩ (DC 1000V)	> 2000MΩ (DC 1000V)
Withstand Voltage	3200V	3200V	3200V
Contact Resistance	0.5mΩ Max	0.5mΩ Max	0.5mΩ Max
Terminal Temperature Rise	< 50K	< 50K	< 50K
Operating Temperature	-30°C~+50°C	-30°C~+50°C	-60°C~+45°C
Impact Insertion Force	>300N	>300N	>300N
Protection Degree	IP55	IP55	IP54
Flame Retardant Grade	UL94 V-0	UL94 V-0	UL94 V-0
Cable specigication	2 X 50mm²+3 X 6mm² +8 X 0.75mm²	2 X 50mm²+1 X 25mm² +6 X 0.75mm²	2 X 50mm²+2 X 16mm² +2 X 0.5mm²
Certification	UL,CE Approved	TUV,CE Approved	TUV,CE Approved

Type 1 EV Tethered Cable

Model : MIDA-EVA-16A / MIDA-EVA-32A
MIDA-EVA-40A / MIDA-EVA-50A

(EVA=American Standards EV Plug / Type 1 EV Plug With EV Cable)

Electrical Performance

Item	SAE J1772 Type 1 EV Plug With EV Cable
Standard	SAE J1772-2010
Product Model	MIDA-EVA-16AP / MIDA-EVA-32AP / MIDA-EVA-40AP / MIDA-EVA-50AP / MIDA-EVA-80AP
Rated Current	16Amp 32Amp 40Amp 50Amp 80Amp
Operation Voltage	AC 120V / AC 240V
Insulation Resistance	> 1000MΩ (DC 500V)
Withstand Voltage	2000V
Pin Material	Copper Alloy, Silver Plating
Shell Material	Thermoplastic,Flame Retardant Grade UL94 V-0
Mechanical Life	No-Load Plug In / Pull Out > 10000 Times
Contact Resistance	0.5mΩ Max
Terminal Temperature Rise	< 50K
Operating Temperature	-30°C~+50°C
Impact Insertion Force	>300N
Waterproof Degree	IP55
Protection	Reliability of materials,antiflaming,pressure-resistant, abrasion resistance,impact resistance and high oil
Flame Retardant Grade	TUV,UL,CE Approved

Model	Rated Current	Cable Specification	Cable Color	Cable Length
MIDA-EVA-16AP	16Amp	3 X 2.5mm² + 2 X 0.5mm²	Black Orange Green	(5Meter ,10Meter) The length of the cable can be customized
		3 X 14AWG+1 X 18AWG		
MIDA-EVA-32AP	32Amp	3 X 6mm²+ 2 X 0.5mm²		
		3 X 10AWG+1 X 18AWG		
MIDA-EVA-40AP	40Amp	2 X 8AWG + 1 X 10AWG + 1 X 16AWG		
MIDA-EVA-50AP	50Amp	2 X 8AWG + 1 X 10AWG + 1 X 16AWG		

Type 2 EV Tethered Cable

Model :MIDA-EVF-16A-SP / MIDA-EVF-32A-SP
MIDA-EVF-16A-TP / MIDA-EVF-32A-TP

(EVF=European Standards Female EV Plug / Type 2 Female EV Plug With EV Cable)

Electrical Performance

Item	Type 2 Female EV Plug with Cable	
Standard	IEC 62196-2 : 2017	
Product Model	MIDA-EVF-16A-SP / MIDA-EVF-32A-SP	MIDA-EVF-16A-TP / MIDA-EVF-32A-TP
Rated Current	16Amp / 32Amp Single Phase	16Amp / 32Amp Three Phase
Operation Voltage	AC 250V	AC 480V
Insulation Resistance	> 1000MΩ (DC500V)	
Withstand Voltage	2000V	
Pin Material	Copper Alloy, Silver Plating	
Shell Material	Thermoplastic,Flame Retardant Grade UL94 V-0	
Mechanical Life	No-Load Plug In / Pull Out > 10000 Times	
Contact Resistance	0.5mΩ Max	
Terminal Temperature Rise	< 50K	
Operating Temperature	-30°C~+50°C	
Impact Insertion Force	>300N	
Waterproof Degree	IP55	
Protection	Reliability of materials,antiflaming,pressure-resistant, abrasion resistance,impact resistance and high oil	
Certification	TUV,CE Approved	

Model	Rated Current	Phase	Cable Specification	Cable Color	Cable Length
MIDA-EVF-16A-SP	16Amp	Single Phase	3 X 2.5mm² + 2 X 0.5mm²	Black Orange Green	(5Meter ,10Meter) The length of the cable can be customized
MIDA-EVF-32A-SP	32Amp		3 X 6mm²+ 2 X 0.5mm²		
MIDA-EVF-16A-TP	16Amp	Three Phase	5 X 2.5mm² + 2 X 0.5mm²		
MIDA-EVF-32A-TP	32Amp		5 X 6mm²+ 2 X 0.5mm²		

Type 1 to Type 2 EV Charging Cable

Model : MIDA-EVAE-16A / MIDA-EVAE-32A

(EVAE=American Standards to European Standards EV Plug / Type 1 to Type 2 EV Charging Cable)

Electrical Performance

Item	Type 1 to Type 2 EV Charging Cable	
Standard	SAE J1772-2010 to IEC 62196-2	
Product Model	MIDA-EVAE-16A	MIDA-EVAE-32A
Rated Current	16Amp	32Amp
Operation Voltage	AC 250V	
Insulation Resistance	> 1000MΩ (DC 500V)	
Withstand Voltage	2000V	
Pin Material	Copper Alloy, Silver Plating	
Shell Material	Thermoplastic,Flame Retardant Grade UL94 V-0	
Mechanical Life	No-Load Plug In / Pull Out > 10000 Times	
Contact Resistance	0.5mΩ Max	
Terminal Temperature Rise	< 50K	
Operating Temperature	-30°C~+50°C	
Impact Insertion Force	>300N	
Waterproof Degree	IP55	
Protection	Reliability of materials,antiflaming,pressure-resistant,abrasion resistance,impact resistance and high oil	
Certification	TUV,UL,CE Approved	

Model	Rated Current	Cable Specification	Cable Color	Cable Length
MIDA-EVAE-16A	16 Amp	3 X 2.5mm² + 2 X 0.5mm²	Black Orange Green	(5Meter ,10Meter) The length of the cable can be customized
		3x14AWG+1X18AWG		
MIDA-EVAE-32A	32 Amp	3 X 6mm²+2 X 0.5mm²		
		3x10AWG+1X18AWG		

Type 2 to Type 2 EV Charging Cable

Model : MIDA-EVFM-16A-SP / MIDA-EVFM-32A-SP

MIDA-EVFM-16A-TP / MIDA-EVFM-32A-TP

(EVFM=European Standards Female to Male EV Plug / Type 2 to Type 2 EV Charging Cable)

Electrical Performance

Item	Type 2 to Type 2 EV Charging Cable	
Standard	IEC 62196-2 : 2017	
Product Model	MIDA-EVFM-16A-SP MIDA-EVFM-32A-SP	MIDA-EVFM-16A-TP MIDA-EVFM-32A-TP
Rated Current	16Amp / 32Amp Single Phase	16Amp / 32Amp Three Phase
Operation Voltage	AC 250V	AC 480V
Insulation Resistance	> 1000MΩ (DC 500V)	
Withstand Voltage	2000V	
Pin Material	Copper Alloy, Silver Plating	
Shell Material	Thermoplastic,Flame Retardant Grade UL94 V-0	
Mechanical Life	No-Load Plug In / Pull Out > 10000 Times	
Contact Resistance	0.5mΩ Max	
Terminal Temperature Rise	< 50K	
Operating Temperature	-30°C~+50°C	
Impact Insertion Force	>300N	
Waterproof Degree	IP55	
Protection	Reliability of materials,antiflaming,pressure-resistant,abrasion resistance,impact resistance and high oil	
Certification	TUV,CE Approved	

Model	Rated Current	Phase	Cable Specification	Cable Color	Cable Length
MIDA-EVFM-16A-SP	16Amp	Single Phase	3 X 2.5mm² + 2 X 0.5mm²	Black Orange Green	(5Meter ,10Meter) The length of the cable can be customized
MIDA-EVFM-32A-SP	32Amp		3 X 6.0mm²+2 X 0.5mm²		
MIDA-EVFM-16A-TP	16Amp	Three Phase	5 X 2.5mm² + 2 X 0.5mm²		
MIDA-EVFM-32A-TP	32Amp		5 X 6.0mm²+2 X 0.5mm²		

China DC Charger Connector & Socket

GB/T DC Charger Connector

GB/T DC Charger Socket

Product Feature :

Meet GB/T 20345.2-2015 Standard
Nice appearance，hand-held ergonomic design，easy plug
Case Material: Thermoplastic,Flame Retardant Grade UL94 V-0
Pin Material: Copper Alloy , Silver Plating
Product entire insertion and extraction force < 100N
Mechanical Life no-load plug in/pull out > 10000 times
Housing Massive structure promote protection performance
Impat Force: Can afford 1m drop and 2t vehicle run over pressure
Reliability of materials,antiflaming,pressure-resistant,
abrasion resistance,impact resistance and high oil

Electrical Performance

Item	GB/T DC Charger Connector	GB/T DC Charger Socket
Standard	GB/T 20345.2-2015	GB/T 20234.2-2015
Product Model	MIDA-GBT-EV80P ，MIDA-GBT-EV150P MIDA-GBT-EV200P ，MIDA-GBT-EV250P	MIDA-GBT-EV80S ，MIDA-GBT-EV150S MIDA-GBT-EV200S ，MIDA-GBT-EV250S
Rated Current	80A, 125A , 200A, 250A	80A, 125A , 200A, 250A
Operation Voltage	750V/1000V DC	750V/1000V DC
Insulation Resistance	> 2000MΩ (DC 500V)	> 2000MΩ (DC 500V)
Withstand Voltage	5000V	5000V
Contact Resistance	0.5mΩ Max	0.5mΩ Max
Terminal Temperature Rise	< 50K	< 50K
Operating Temperature	-30°C~+50°C	-30°C~+50°C
Impact Insertion Force	>300N	>300N
Protection Degree	IP55	IP55
Flame Retardant Grade	UL94 V-0	UL94 V-0
Cable specigication	2 X 35mm² + 1 X 16mm² + 2 X 4mm² + 2P(4 X 0.75mm²)+ 2P(2 X 0.75mm²)	2 X 35mm² + 1 X 16mm² + 2 X 4mm² + 2P(4 X 0.75mm²)+ 2P(2 X 0.75mm²)
Certification	CE , CQC Approved	CE , CQC Approved

Mode 2 Portable EV Charger

MIDA-EVSE-PA16

MIDA-EVSE-PE16

Specification:

For the wall side plug: We can install the wall side plug according different countries situation:
AU Customers---------AU/NZ Plug ,8A,10A,15A
UK Customers---------UK Plug 8A,10A, 13A
EU Customers------ --EU Schuko Plug ,Blue CEE Plug ,Red CEE Plug, Max 16A
US Customers---------NEMA 5-15,6-15,6-20, L6-30, 10-30, 10-50, L14-30, L14-50 Plug
Other Customers------ Japan Plug ,South Africa Plug ,Thailand Plug ,Israel Plug ,Demark Plug etc.

Electrical Performance

Item	Mode 2 EV Charger Cable	
Product Model	MIDA-EVSE-PA16	MIDA-EVSE-PE16
Rated Current	8A / 10A / 13A / 16A (Optional)	
Rated Power	Max 3.6KW	
Operation Voltage	AC 110V ~250 V	
Rate Frequency	50Hz/60Hz	
Withstand Voltage	2000V	
Contact Resistance	0.5mΩ Max	
Terminal Temperature Rise	< 50K	
Shell Material	ABS and PC Flame Retardant Grade UL94 V-0	
Mechanical Life	No-Load Plug In / Pull Out > 10000 Times	
Operating Temperature	-30°C~+50°C	
Storage Temperature	-40°C~+80°C	
Protection Degree	IP65	
EV Control Box Size	248mm (L) X 104mm (W) X 47mm (H)	
Weight	2.1KG	
Standard	IEC 62752 , IEC 61851	
Certification	TUV,CE Approved	
Protection	1.Over and under frequency protection 3.Leakage Current Protection (restart recover) 5.Overload protection (self-checking recover) 7.Over voltage and under-voltage protection	2. Over Current Protection 4. Over Temperature Protection 6. Ground Protection and Short circuit protection 8. Lighting Protection

16Amp Adjustable EV Charger

MIDA-EVSE-PA16S

MIDA-EVSE-PE16S

Specification:

For the wall side plug: We can install the wall side plug according different countries situation:

AU Customers---------AU/NZ Plug ,8A,10A,15A

UK Customers---------UK Plug 8A,10A, 13A

EU Customers------ --EU Schuko Plug ,Blue CEE Plug ,Red CEE Plug, Max 16A

US Customers---------NEMA 5-15,6-15,6-20, L6-30, 10-30, 10-50, L14-30, L14-50 Plug

Other Customers------ Japan Plug ,South Africa Plug ,Thailand Plug ,Israel Plug ,Demark Plug etc.

Electrical Performance

Item	Mode 2 EV Charger Cable （Adjustable 16A）	
Product Model	MIDA-EVSE-PA16S	MIDA-EVSE-PE16S
Rated Current	6A / 8A / 10A / 13A / 16A （Adjustable）	
Rated Power	Max 3.6KW	
Operation Voltage	AC 110V~250 V	
Rate Frequency	50Hz/60Hz	
Leakage Protection	Type B RCD （Optional）	
Withstand Voltage	2000V	
Contact Resistance	0.5mΩ Max	
Terminal Temperature Rise	＜50K	
Shell Material	ABS and PC Flame Retardant Grade UL94 V-0	
Mechanical Life	No-Load Plug In / Pull Out ＞10000 Times	
Operating Temperature	-25°C ~ +55°C	
Storage Temperature	-40°C ~ +80°C	
Protection Degree	IP67	
EV Control Box Size	200mm (L) X 93mm (W) X 51.5mm (H)	
Weight	2.2KG	
OLED Display	Temperature, Charging Time, Actual Current, Actual Voltage, Actual Power, Capacity Charged, Preset Time	
Standard	IEC 62752 ， IEC 61851	
Certification	TUV,CE Approved	
Protection	1.Over and under frequency protection 3.Leakage Current Protection (restart recover) 5.Overload protection (self-checking recover) 7.Over voltage and under-voltage protection	2. Over Current Protection 4. Over Temperature Protection 6. Ground Protection and Short circuit protection 8. Lighting Protection

32Amp Adjustable EV Charger

MIDA-EVSE-PA32S

MIDA-EVSE-PE32S

Specification:

For the wall side plug: We can install the wall side plug according different countries situation:

EU Customers---------32A 3Pin Blue CEE Plug, 32A 5Pin Red CEE Plug Max

US Customers---------NEMA10-50 Plug ,NEMA 14-50 Plug,NEMA 6-50 Plug

Electrical Performance

Item	Mode 2 EV Charger Cable （Adjustable 32A）	
Product Model	MIDA-EVSE-PA16S	MIDA-EVSE-PE16S
Rated Current	10A / 16A / 20A/ 24A / 32A （Adjustable）	
Rated Power	Max 7.2KW	
Operation Voltage	AC 110V~250 V	
Rate Frequency	50Hz/60Hz	
Leakage Protection	Type B RCD （Optional）	
Withstand Voltage	2000V	
Contact Resistance	0.5mΩ Max	
Terminal Temperature Rise	＜50K	
Shell Material	ABS and PC Flame Retardant Grade UL94 V-0	
Mechanical Life	No-Load Plug In / Pull Out ＞10000 Times	
Operating Temperature	-25°C ~ +55°C	
Storage Temperature	-40°C ~ +80°C	
Protection Degree	IP67	
EV Control Box Size	200mm (L) X 93mm (W) X 51.5mm (H)	
Weight	2.8KG	
OLED Display	Temperature, Charging Time, Actual Current, Actual Voltage, Actual Power, Capacity Charged, Preset Time	
Standard	IEC 62752 ， IEC 61851	
Certification	TUV,CE Approved	
Protection	1.Over and under frequency protection 3.Leakage Current Protection (restart recover) 5.Overload protection (self-checking recover) 7.Over voltage and under-voltage protection	2. Over Current Protection 4. Over Temperature Protection 6. Ground Protection and Short circuit protection 8. Lighting Protection

3.6KW /7KW Smart AC Charging Pile

Model: MIDA-EVSP-3.6KW, MIDA-EVSP-7KW

MIDA-EVSP-3.6KW

MIDA-EVSP-7KW

Electrical Performance

Item	Smart Wall Mounted AC Charging Pile
Product Model	MIDA-EVSP-3.6KW , MIDA-EVSP-7KW
Rated Current	16Amp / 32Amp
Operation Voltage	AC 230V
Rated frequency	50/60Hz
Leakage Protection	Type A RCD 30mA +DC leakage 6mA (Optional)
Shell Material	PC Alloy
Atmospheric Pressure	80KPA ~ 110KPA
Relative Humidity	5%~95%
Installation Ambient	Outdoor / Indoor
Operating Temperature	-25°C~+50°C
Protection Degree	IP54
Charging Mode	Remote Control to Start or Wipe Card to Start
States indicating	LED indicating light in Red,Green and Blue
User indentification	Remote Key or ID Card
Communication Mode	2G/4G (Optional)
Dimensions	310mm (L) X 200mm (W) X 70mm (H)
Weight	7.0 KG
Certification	IEC 61851-1:2010 EN 61851-1:2011 IEC 61851-22:2002 EN 61851-22:2002
Standard	TUV,CE Approved
Protection	1.Over and under frequency protection 2. Over Current Protection 3.Leakage Current Protection (restart recover) 4. Over Temperature Protection 5.Overload protection (self-checking recover) 6. Ground Protection and Short circuit protection 7.Over voltage and under-voltage protection 8. Lighting Protection

7KW Wall Mounted EV Charging Station

Model: MIDA-EVST-7KW / MIDA-EVSS-7KW

MIDA-EVST-7KW

MIDA-EVSS-7KW

Electrical Performance

Item	7KW AC EV Charger Station
Product Model	MIDA-EVST-7KW / MIDA-EVSS-7KW
Rated Current	32Amp
Operation Voltage	AC 230V Single Phase
Rated frequency	50/60Hz
Leakage Protection	Type B RCD / RCCB 30mA
Shell Material	Aluminum Alloy
Status Indication	LED Status Indicator
Function	RFID Card
Atmospheric Pressure	80KPA ~ 110KPA
Relative Humidity	5%~95%
Operating Temperature	-30°C~+60°C
Storage Temperature	-40°C~+70°C
Protection Degree	IP55
Dimensions	350mm (L) X 215mm (W) X 110mm (H)
Weight	7.0 KG
Certification	IEC 61851-1:2010 EN 61851-1:2011 IEC 61851-22:2002 EN 61851-22:2002
Standard	TUV,CE Approved
Protection	1.Over and under frequency protection 2. Over Current Protection 3.Leakage Current Protection (restart recover) 4. Over Temperature Protection 5.Overload protection (self-checking recover) 6. Ground Protection and Short circuit protection 7.Over voltage and under-voltage protection 8. Lighting Protection

11KW Wall Mounted EV Charging Station

Model: MIDA-EVST-11KW / MIDA-EVSS-11KW

MIDA-EVST-11KW

MIDA-EVSS-11KW

Electrical Performance

Item	11KW AC EV Charger Station
Product Model	MIDA-EVST-11KW / MIDA-EVSS-11KW
Rated Current	16Amp
Operation Voltage	AC 400V Three Phase
Rated frequency	50/60Hz
Leakage Protection	Type B RCD / RCCB
Shell Material	Aluminum Alloy
Status Indication	LED Status Indicator
Function	RFID Card
Atmospheric Pressure	80KPA ~ 110KPA
Relative Humidity	5%~95%
Operating Temperature	-30°C~+60°C
Storage Temperature	-40°C~+70°C
Protection Degree	IP55
Dimensions	350mm (L) X 215mm (W) X 110mm (H)
Weight	8.0 KG
Certification	IEC 61851-1:2010 EN 61851-1:2011 IEC 61851-22:2002 EN 61851-22:2002
Standard	TUV,CE Approved
Protection	1. Over and under frequency protection 2. Over Current Protection 3. Leakage Current Protection (restart recover) 4. Over Temperature Protection 5. Overload protection (self-checking recover) 6. Ground Protection and Short circuit protection 7. Over voltage and under-voltage protection 8. Lighting Protection

22KW Wall Mounted EV Charging Station

Model: MIDA-EVST-22KW / MIDA-EVSS-22KW

MIDA-EVST-22KW

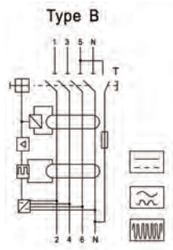
MIDA-EVSS-22KW

Electrical Performance

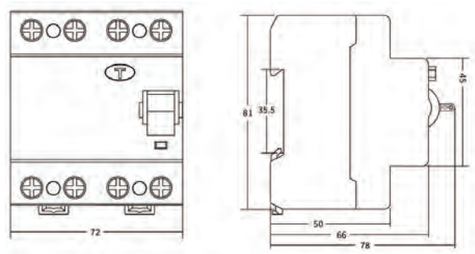
Item	22KW AC EV Charger Station
Product Model	MIDA-EVST-11KW / MIDA-EVSS-11KW
Rated Current	16Amp
Operation Voltage	AC 400V Three Phase
Rated frequency	50/60Hz
Leakage Protection	Type B RCD / RCCB
Shell Material	Aluminum Alloy
Status Indication	LED Status Indicator
Function	RFID Card
Atmospheric Pressure	80KPA ~ 110KPA
Relative Humidity	5%~95%
Operating Temperature	-30°C~+60°C
Storage Temperature	-40°C~+70°C
Protection Degree	IP55
Dimensions	350mm (L) X 215mm (W) X 110mm (H)
Weight	9.0 KG
Certification	IEC 61851-1:2010 EN 61851-1:2011 IEC 61851-22:2002 EN 61851-22:2002
Standard	TUV,CE Approved
Protection	1. Over and under frequency protection 2. Over Current Protection 3. Leakage Current Protection (restart recover) 4. Over Temperature Protection 5. Overload protection (self-checking recover) 6. Ground Protection and Short circuit protection 7. Over voltage and under-voltage protection 8. Lighting Protection

Type B RCD & RCCB

Residual Current Circuit Breaker



Circuit Diagram



Overall and installation dimension (mm)

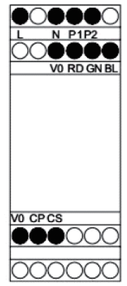
Features

Protection against shock and fire hazards during EV charging requires detection of AC and DC residual fault currents. The Type B EV RCCB has been developed specifically for EV charging systems and can detect AC and DC residual currents in accordance with the requirements of IEC62955. This provides a lower cost option to the Type B RCD, and has been designed specifically for use in Mode 3 and Mode 4 EV charging applications.

Electrical Performance

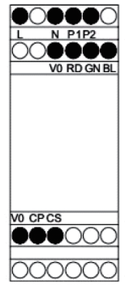
Residual Current Circuit Breaker	Type B RCD / Type B RCCB
Product Model	MIDA-80B
Wave form of the earth leakage sensed	B Type
Rated Current	16A , 25A , 32A , 40A , 63A , 80A , 100A
Poles	2P (1P+N) , 4P (3P+N)
Rated voltage Ue	2Pole: 230V / 240V , 4Pole: 400V / 415V
Insulation Voltage	500V
Rated frequency	50/60Hz
Rated residual operation current(I n)	30 mA, 100 mA ,300 mA
Short-circuit current Inc= I c	10000A
SCPD fuse	10000
Break time under I n	≤0.1s
Dielectric test voltage at ind.Freq. for 1min	2.5kV
Electrical life	2,000 Cycles
Mechanical life	4,000 Cycles
Protection Degree	IP20
Ambient temperature	-5℃ upto +40℃
Storage temperature	-25℃ upto +70℃
Terminal connection type	Cable/Pin type busbar U-type busbar
Terminal size top/bottom for cable	25mm² 18-3AWG
Terminal size top/bottom for busbar	25mm² 18-3AWG
Tightening torque	2.5Nm 22In-Ibs
Mounting	On DIN rail EN60715(35mm) by means of fast clip device
Connection	From top and bottom
Standard	IEC 61008-1:2010 EN 61008-1:2012 IEC 62423:2009 EN 62423:2012

EVSE Protocol Controller



Cable Version

Cable Version
With RFID



Socket Verison

Socket Verison
With RFID

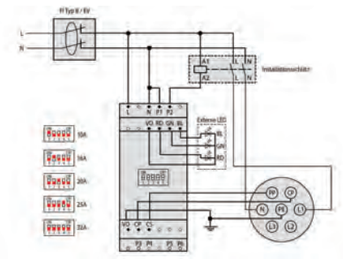
Features

EVSE Protocol Controller (EPC) is the intelligent part of the vCharge charging stations. It is the communication unit that enables Mode 3 charging in accordance with IEC 61851 and it is available to buy to those building their own EVSE (Electric Vehicle Supply Equipment) or upgrading/replacing parts in other charging stations.

Electrical Performance

Product Name	EVSE Protocol Controller
Maximun Charging Capacity Indication	10A ,16A ,20A,25A,32A (Adjustable)
L	This is where the AC 'live' or 'line connection is made (90-264V @ 50/60Hz AC)
N	This is where the AC 'neutral' connection is made (90-264V @ 50/60 Hz AC)
P1	Relay 1 live from RCCB
P2	Reley 1 live from RCCB
GN	For extemal L ED connection for green indication(5V 30mA)
BL	For external LED connection for blue indication (5V 30mA)
RD	For external L ED connation for red indication (5V 30mA)
VO	This is where the 'ground' connoction is made
CP	This connects to the CP connector on the IEC61851/J1772 EVSE connector
CS	This connects to the PP connector on the IEC61851 EVSE connector
P5	Provides 12V continuously to energise solenoid for hatch lock
P6	This provides 12V 300mA for 500 ms to engage the lock for motorised lock
FB	Reads lock feedback for motorised locks
12V	Power: 12V
FA	Fault
TE	Test
Standard	IEC 62321

Appearance and Installation Size



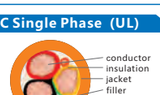
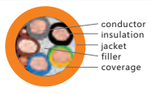
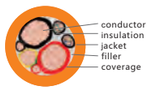
TUV Standard EV Charging Cable

Product Introduction:

EV cable is a kind of flexible cable to connect electric vehicle with charging pile or power socket, high quality oxygen-free copper conductor ensures excellent conductive effect; TPE insulation material is soft and high strength; cable sheath is made from high-performance TPE, which possess characteristic as weatherability, high&low temperature resistance, rub resistance, ect.The cable is soft, elastic, flex index and won' t harden in low temperature. EV Cables for Electric vehicle conductive charging system are fit for Battery Electric Vehicle,Fuel Cell Vehicle(FCV) & Hybrid Electric Vehicle(HEV).They are widely used in charging connection beween electric vehicle and power supply; or used in Electric Vehicle charging facility & Charge interface.

AC EV Charging Cable

DC Fast Charger Cable

AC Single Phase (TUV)				
 conductor insulation jacket filler coverage	3x2.5mm²+2x0.5mm²	16Amp	450V/750V	Black Orange Green
	3x6.0mm²+2x0.5mm²	32Amp		
	3x8.0mm²+2x0.5mm²	40Amp		
	3x10mm²+2x0.5mm²	63Amp		
AC Single Phase (UL)				
conductor insulation jacket filler coverage	3x14AWG+1x18AWG	16Amp	600V	Black Orange Green
	3x10AWG+1x18AWG	32Amp		
	2x8AWG+1x10AWG+1x16AWG	40Amp		
	2x8AWG+1x10AWG+1x16AWG	50Amp		
AC Three Phase (TUV)				
 conductor insulation jacket filler coverage	5x2.5mm²+2x0.5mm²	16Amp	450/750V	Black Orange Green
	5x6.0mm²+2x0.5mm²	32Amp		
	5x10mm²+2x0.5mm²	63Amp		
	5x13.3mm²+2x0.5mm²	70Amp		
DC Fast Charger (TUV)				
 conductor insulation jacket filler coverage	2x16mm²+1x25mm²+6x0.75mm²	80Amp	750V/1000V	Black Orange Green
	2x35mm²+1x25mm²+6x0.75mm²	125Amp		
	2x35mm²+3x6.0mm²+8x0.75mm²			
	2x50mm²+1x25mm²+6x0.75mm²	16Amp		
	2x50mm²+3x6.0mm²+8x0.75mm²			
	2x70mm²+1x25mm²+6x0.75mm²	32Amp		
	2x70mm²+3x6.omm²+8x0.75mm²			

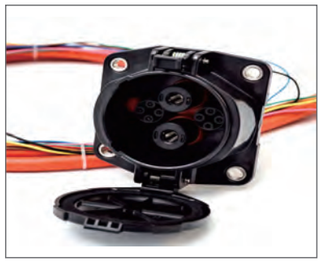
Product Description:

- Conductor: Soft annealed stranded Bare Copper
- Insulation: 125℃ halogen free TPE or TPU
- Filler: Cotton thread
- Cover: Non-woven fabrics
- Sheath: 125℃ halogen free TPE or TPU
- Color : Black,Orange,Green
- Rated Volatage: AC 450/750V,DC 1000V
- Rated temperature: -25℃ upto +125℃
- Voltage Test: 2.5KV AC /15min . No Breakdown
- Short circuit using temperature: +200℃ 5s
- Crush Resistance : 5kN ,8Km/h,220KPa,No Breakdown
- Flame Test: VW-1 test method comply with UL 2556

EV Accessories

Type 1 Inlet Socket With Cable

Type 2 Male Inlet Socket With Cable



CHAdeMO Inlet Socket with Cable

Type 2 to Type 1 EV Socket
EV Converter Cable

Type 1 to Type 2 Male Socket
EV Converter Cable

Type 1 to Type 1 EV Socket
EV Adapter Cable

CCS Combo 2 Plug With Cable

Type 1 to Type 2
EV Adapter Connector

CCS 1 to CCS2 EV Plug
EV Adapter Cable

J1772 Type 1 Plug Dummy Holder

Type 2 Female Plug Dummy Holder

CHAdeMO Plug Dummy Holder