

Electric Vehicle Charging Technology by Sam Woo Electronics

2025 Edition



DC (Fast Charging / Regular Charging) and AC (Regular Charging)
 Customized solutions available.

IEC Standards (IEC 62196-1, IEC 62196-2, IEC 62196-3).



NACS

250A, 350A
 375A
 600A With Chiller
 AC 48A, 80A



CCS1

65A, 80A, 150A
 200A, 250A, 280A
 300A, 350A, 375A
 500A With Chiller



CCS2

125A, 200A
 300A, 350A
 500A With Chiller



CHAdeMO

125A, 200A



Type1

40A, 48A, 80A

AC Charging System



DC Charging System





CCS1 Holder



Cable Handle



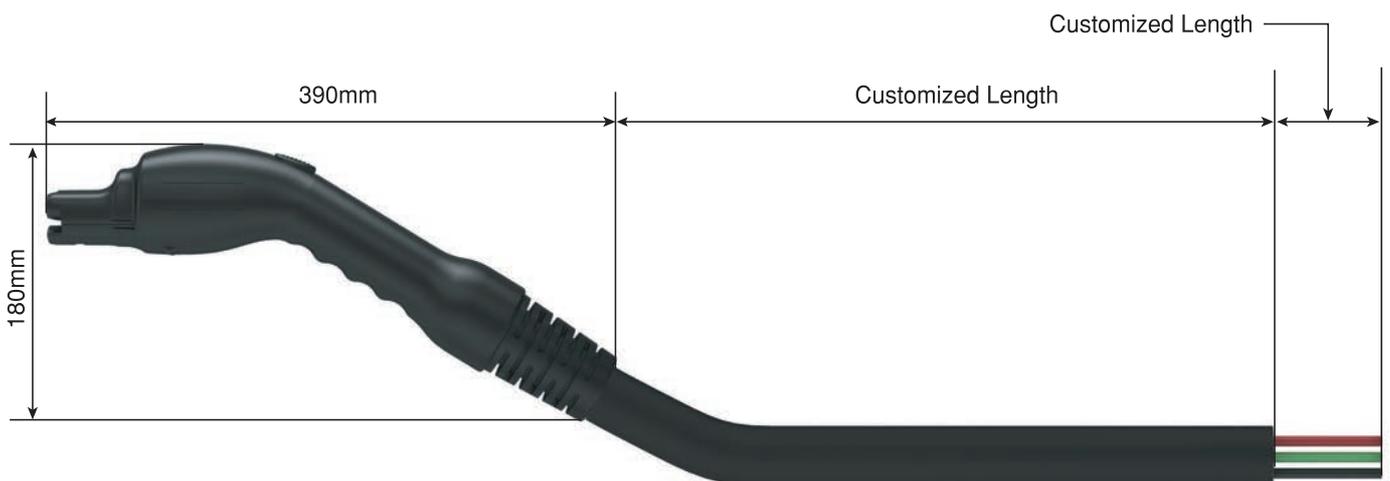
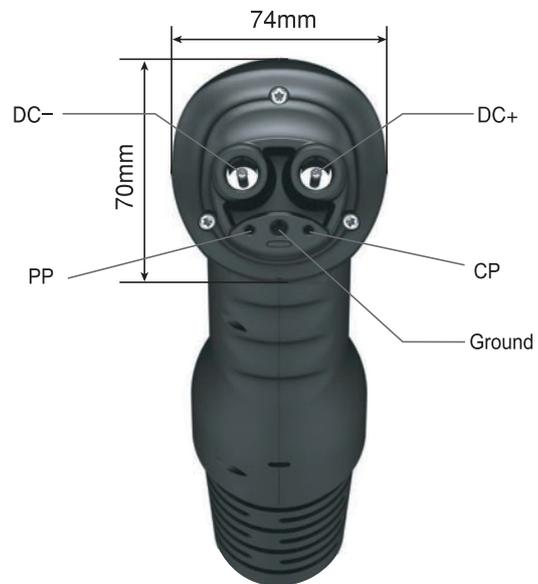
MCS

1.5MW

Megawatt Charging System



- North America Charging Standards
- AC 48A / 250V Charger
- AC 80A / 250V Charger
- DC 250A / 1000V Fast Charger
- DC 350A / 1000V Fast Charger
- DC 375A / 1000V Fast Charger
- DC 600A / 1000V Fast Charger
- UL Certified



Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

NACS 48A / 80A Technical Data			
General Specifications	Part No.	SW - EVTA 048-S	SW-EVTA 084-S
	Charger Type	NACS	
	Standard	SAE J3400	
	Certification	UL Coming Soon	
Connector Specifications	Connector Dimensions	50 mm x 70 mm x 219 mm	
	Operating Temperature	- 30°C to + 50°C	
	Storage Temperature	- 40°C to + 80°C	
	Rated Voltage	AC 250 V	
	Rated Current	48 A	80A
	Electric Power	10 KW	20 KW
	Degree of Protection	IP 54 / 3R	
	Mating Cycle	10,000 ↑	
	Mating Force	100 N ↓	
Cable Specifications	Material	TPE	
	Diameter	Black	
	Color	∅ 15 mm	∅ 19 mm
	Curvature Radius	120 mm	152 mm
Temperature Sensor Specifications	Sensor Type	PT 1000, Other (Customized)	
	Standard	DIN EN 60751	
	Current	1 mA (0°C, 1 V)	
	Tolerance	± 1K	
	Temperature Range	- 50 °C to + 130 °C	

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NACS 250A / 350A / 375A Technical Data					
General Specifications	Part No.	SW - EVT254-S	SW-EVT354	SW-EVT354-S	SW-EVT374-S
	Charger Type	NACS			
	Standard	SAE J3400			
	Certification	UL Coming Soon	UL Certified	UL Coming Soon	UL Coming Soon
Connector Specifications	Connector Dimensions	73 mm x 183 mm x 394 mm			
	Operating Temperature	- 30°C to + 50°C			
	Storage Temperature	- 40°C to + 80°C			
	Rated Voltage	DC 1,000 V			
	Rated Current	250 A	350 A		375A
	Electric Power	250 KW	350 KW		375 KW
	Degree of Protection	IP 54 / 3R			
	Mating Cycle	10,000 ↑			
	Mating Force	100 N ↓			
Cable Specifications	Material	TPE			
	Diameter	Black			
	Color	∅ 31 mm	∅ 40.5 mm	∅ 36 mm	∅ 36.5 mm
	Curvature Radius	248 mm	324 mm	288 mm	292 mm
Temperature Sensor Specifications	Sensor Type	PT 1000, Other (Customized)			
	Standard	DIN EN 60751			
	Current	1 mA (0°C, 1 V)			
	Tolerance	± 1K			
	Temperature Range	- 50 °C to + 130 °C			

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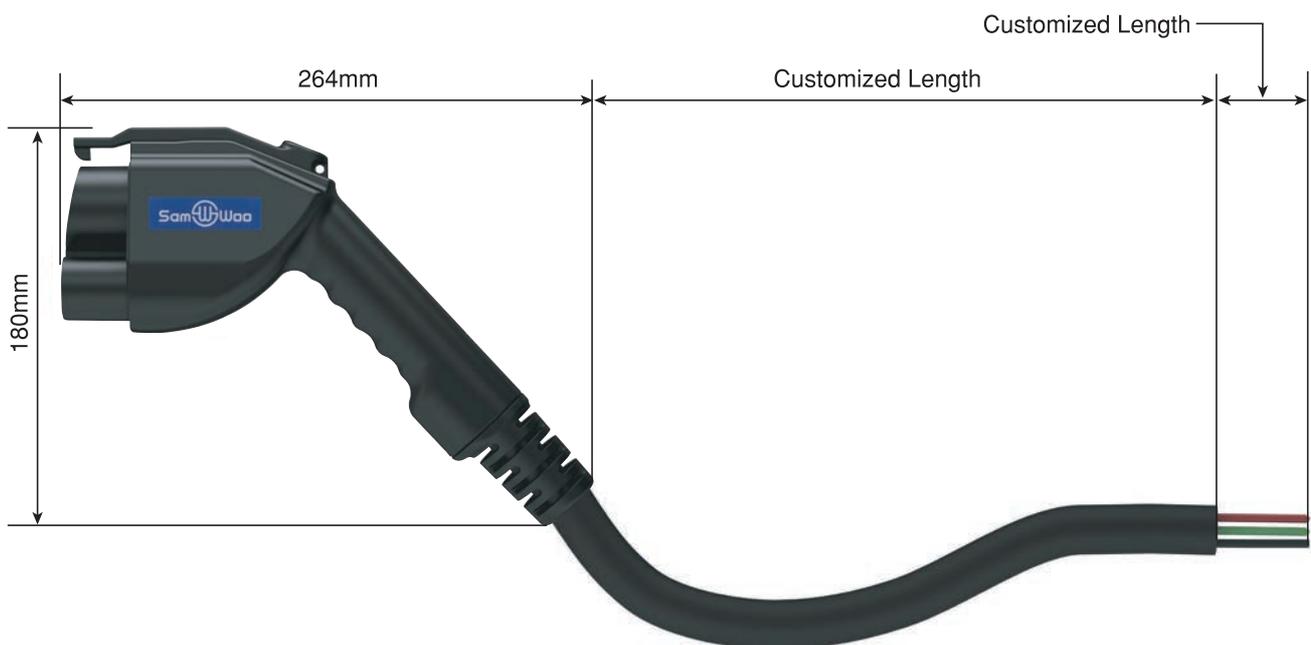
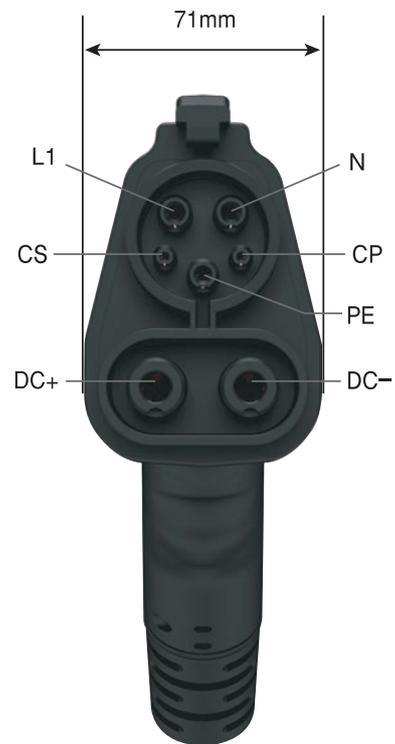
NACS 600A Technical Data		
General Specifications	Part No.	SW-EVT604
	Charger Type	NACS
	Standard	SAE J3400
	Certification	UL Coming Soon
Connector Specifications	Connector Dimensions	60 mm x 132 mm x 315 mm
	Operating Temperature	- 30°C to + 50°C
	Storage Temperature	- 40°C to + 80°C
	Rated Voltage	DC 1,000 V
	Rated Current	600A
	Electric Power	600 KW
	Degree of Protection	IP 54 / 3R
	Mating Cycle	10,000 ↑
	Mating Force	100 N ↓
Cable Specifications	Material	TPE
	Diameter	Black
	Color	∅ 35.7 mm
	Curvature Radius	285 mm
Temperature Sensor Specifications	Sensor Type	PT 1000, Other (Customized)
	Standard	DIN EN 60751
	Current	1 mA (0°C, 1 V)
	Tolerance	± 1K
	Temperature Range	- 50 °C to + 130 °C

※ Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

※UHF Transmitter (315 MHz, 434MHz) : Not Applied (under development) - Current CCS-1 Protocol

CCS1 65A / 80A Dimensions

- Combined Charging System Type 1
- IEC 62196-1, 62196-3
- DC 65A / 1000V Charger
- DC 80A / 1000V Charger
- Ergonomic Design



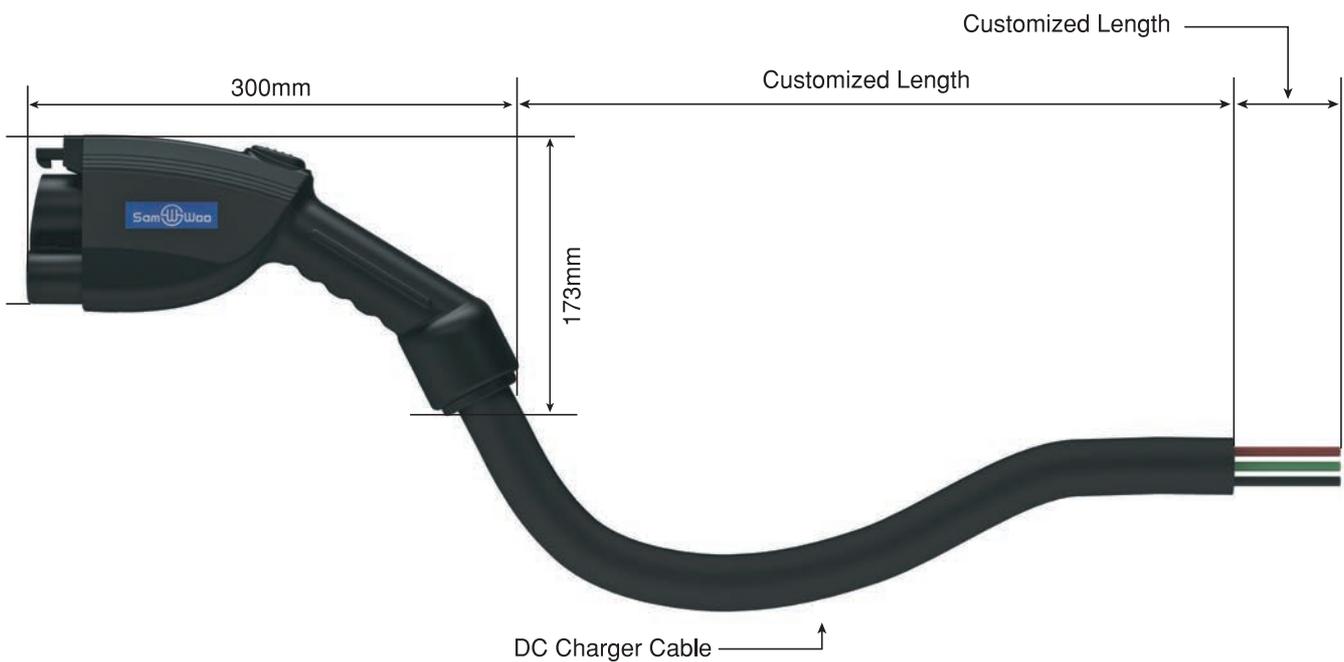
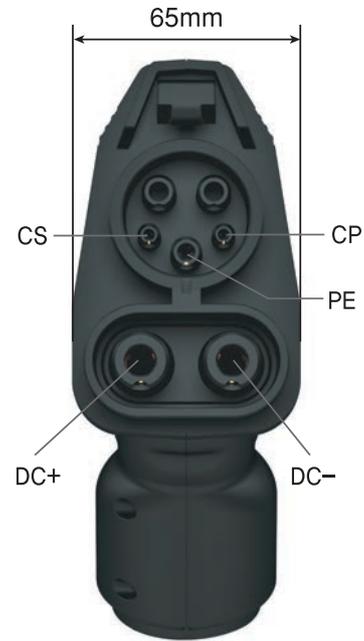
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CCS1 65A / 80A Technical Data

CCS1 65A / 80A Technical Data			
General Specifications	Part No.	SW - EVTB061	SW - EVTB081
	Charger Type	TYPE 1 CCS DC	
	Standard	IEC 62196-1, IEC 62196-3	
	Certification	UL Coming Soon	
Connector Specifications	Connector Dimensions	66mm x 264mm x 341mm	
	Operating Temperature	-30°C to + 50°C	
	Storage Temperature	-40°C to + 80°C	
	Electric Power	65 KW	80 KW
	DC Contact	Power Contacts	
	DC Current	65 A	80 A
	DC Voltage	1,000 V	
	Signal Current	2 A	
	Degree of Protection	IP54 / 3R	
	Mating Cycle	10,000 ↑	
	Insertion Force	100 N ↓	
	Extraction Force	100 N ↓	
Cable Specifications	Material	TPE	
	Diameter	19 mm	28.5 mm
	Color	Black	
	Curvature Radius	114 mm	171 mm
	Certification	Reference Standard : UL 62	
Temperature Sensor Specifications	Sensor Type	PT 1000	
	Standard	DIN EN 60751	
	Current	1 mA (0°C, 1 V)	
	Tolerance	± 1K	
	Temperature Range	- 50°C to + 130°C	
Test Results	STANDARD		
	IEC 62196-1	PASS	
	IEC 62196-3	PASS	

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

- Combined Charging System Type 1
- IEC 62196-1, 62196-3
- DC 65A / 1000V Charger
- DC 80A / 1000V Charger
- DC 150A / 1000V Fast Charger
- DC 200A / 1000V Fast Charger
- DC 250A / 1000V Fast Charger
- UL Certified



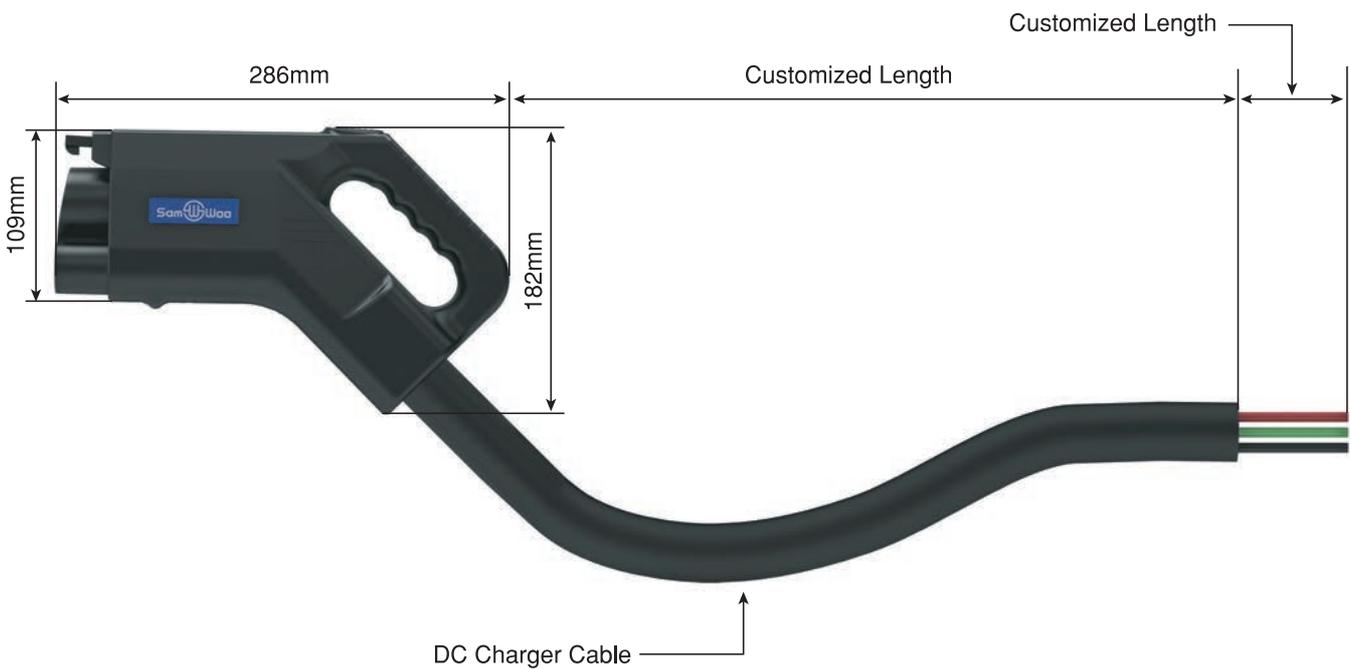
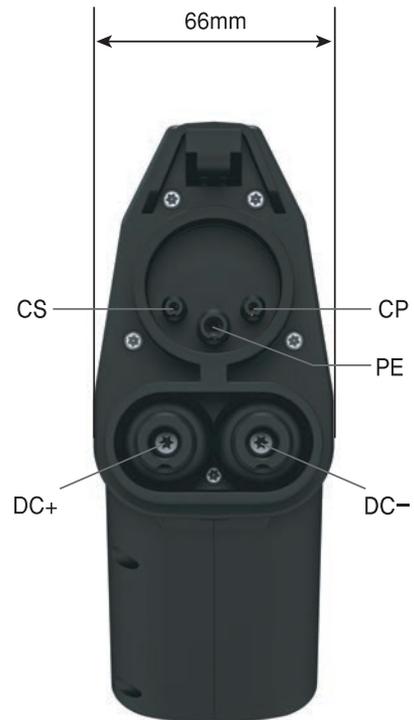
Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

CCS1 65A / 80A / 150A / 200A Technical Data					
General Specifications	Part No.	SW - EVTN061	SW - EVTN081	SW - EVTN151	SW - EVTN201
	Charger Type	TYPE 1 CCS DC			
	Standard	IEC 62196-1, IEC 62196-3			
	Certification	UL Coming Soon		UL Certified Edition 3	
Connector Specifications	Connector Dimensions	66mm x 264mm x 341mm		66mm x 174mm x 302mm	
	Operating Temperature	- 30°C to + 50°C			
	Storage Temperature	- 40°C to + 80°C			
	Electric Power	65 KW	80 KW	150 KW	200 KW
	DC Contact	Power Contacts			
	DC Current	65 A	80 A	150 A	200 A
	DC Voltage	1,000 V			
	Signal Current	2 A			
	Degree of Protection	IP54 / 3R			
	Mating Cycle	10,000 ↑			
	Insertion Force	100 N ↓			
	Extraction Force	100 N ↓			
Cable Specifications	Material	TPE			
	Diameter	24.8 mm	28.5 mm	33 mm	36.5 mm
	Color	Black			
	Curvature Radius	148 mm	171 mm	198 mm	219 mm
	Certification	Reference Standard : UL 62			
Temperature Sensor Specifications	Sensor Type	PT 1000			
	Standard	DIN EN 60751			
	Current	1 mA (0°C, 1 V)			
	Tolerance	± 1K			
	Temperature Range	- 50°C to + 130 °C			
Test Results	STANDARD				
	IEC 62196-1 IEC 62196-3	PASS			

CCS1 200A / 250A Technical Data			
General Specifications	Part No.	SW - EVTK201	SW - EVTK251
	Charger Type	TYPE 1 CCS DC	
	Standard	IEC 62196-1, IEC 62196-3	
	Certification	UL Coming Soon	
Connector Specifications	Connector Dimensions	66mm x 171mm x 304mm	
	Operating Temperature	-30°C to + 50°C	
	Storage Temperature	-40°C to + 80°C	
	Electric Power	200 KW	250 KW
	DC Contact	Power Contacts	
	DC Current	200 A	250 A
	DC Voltage	1,000 V	
	Degree of Protection	IP54 / 3R	
	Mating Cycle	10,000 ↑	
	Insertion Force	100 N ↓	
	Extraction Force	100 N ↓	
Cable Specifications	Material	TPE	
	Diameter	30.8 mm	33.5 mm
	Color	Black	
	Curvature Radius	185 mm	201 mm
	Certification	UL Coming Soon	
Temperature Sensor Specifications	Sensor Type	PT 1000	
	Standard	DIN EN 60751	
	Current	1 mA (0°C, 1 V)	
	Tolerance	± 1K	
	Temperature Range	- 50°C to + 130°C	
Test Results	STANDARD		
	IEC 62196-1	PASS	
	IEC 62196-3		

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

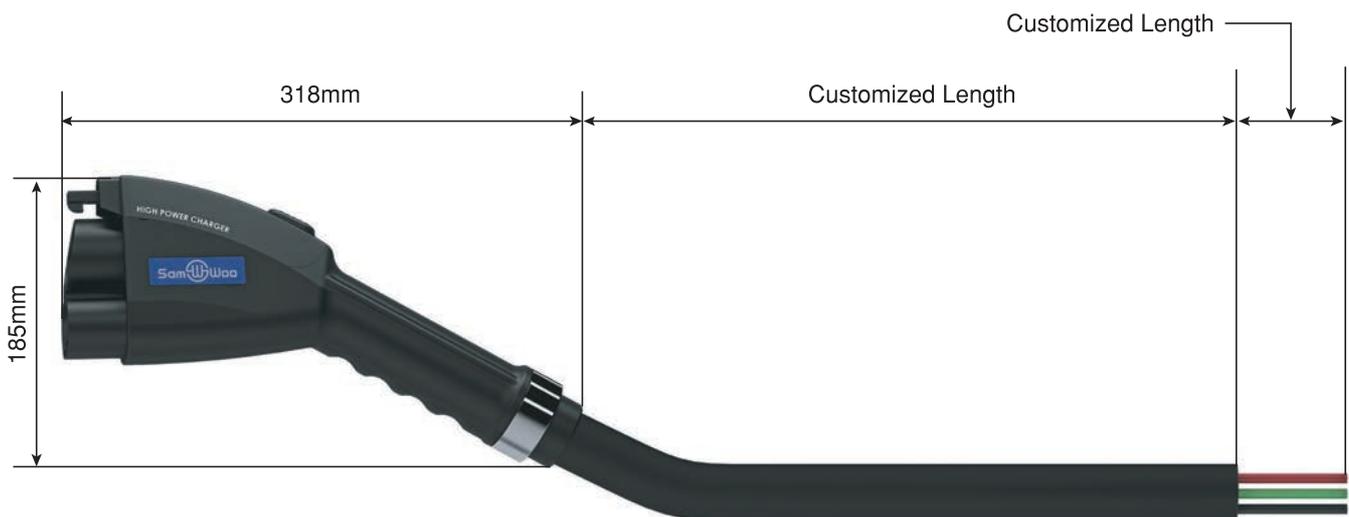
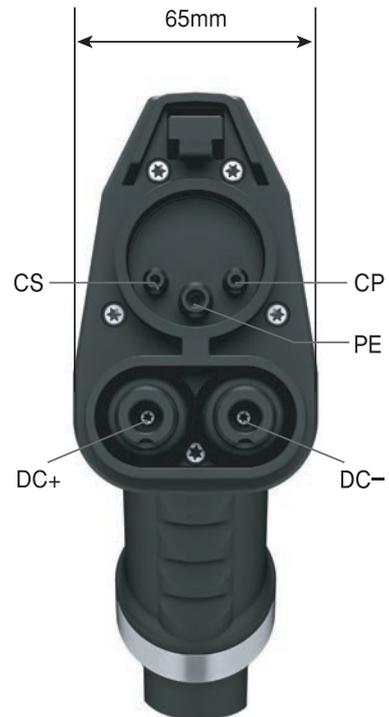
- Combined Charging System Type 1
- IEC 62196-1, 62196-3
- DC 280A / 1000V Fast Charger
- DC 300A / 1000V Fast Charger
- DC 350A / 1000V Fast Charger
- DC 375A / 1000V Fast Charger
- Replaceable Parts
- UL Certified



Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

CCS1 280A / 300A / 350A / 375A Technical Data					
General Specifications	Part No.	SW - EVT281 - N	SW - EVT301 - N	SW - EVT351 - N	SW - EVT371 - N
	Charger Type	TYPE 1 CCS DC			
	Standard	IEC 62196-1, IEC 62196-3			
	Certification	-	UL Certified Edition 3		
Connector Specifications	Connector Dimensions	66 mm x 182 mm x 286 mm			
	Operating Temperature	- 30°C to + 50°C			
	Storage Temperature	- 40°C to + 80°C			
	Electric Power	280 KW	300 KW	350 KW	375 KW
	DC Contact	Power Contacts			
	DC Current	280 A	300 A	350 A	375 A
	DC Voltage	1,000 V			
	Signal Current	2 A			
	Degree of Protection	IP54 / 3R			
	Mating Cycle	10,000 ↑			
	Insertion Force	100 N ↓			
	Extraction Force	100 N ↓			
Cable Specifications	Material	TPE			
	Diameter	37.2 mm	38.9 mm	40.5 mm	
	Color	BLACK			
	Curvature Radius	223 mm	233 mm	243 mm	
Temperature Sensor Specifications	Sensor Type	PT 1000			
	Standard	DIN EN 60751			
	Current	1 mA (0°C, 1 V)			
	Tolerance	± 1K			
	Temperature Range	-50 °C to + 130°C			
Test Results	STANDARD				
	IEC 62196-1	PASS			
	IEC 62196-3	PASS			

- Combined Charging System Type 1
- IEC 62196-1, 62196-3
- DC 500A / 1000V High Power Charger
- Liquid Cooling System
- ETL Certified
- Ergonomic Design
- Replaceable Parts



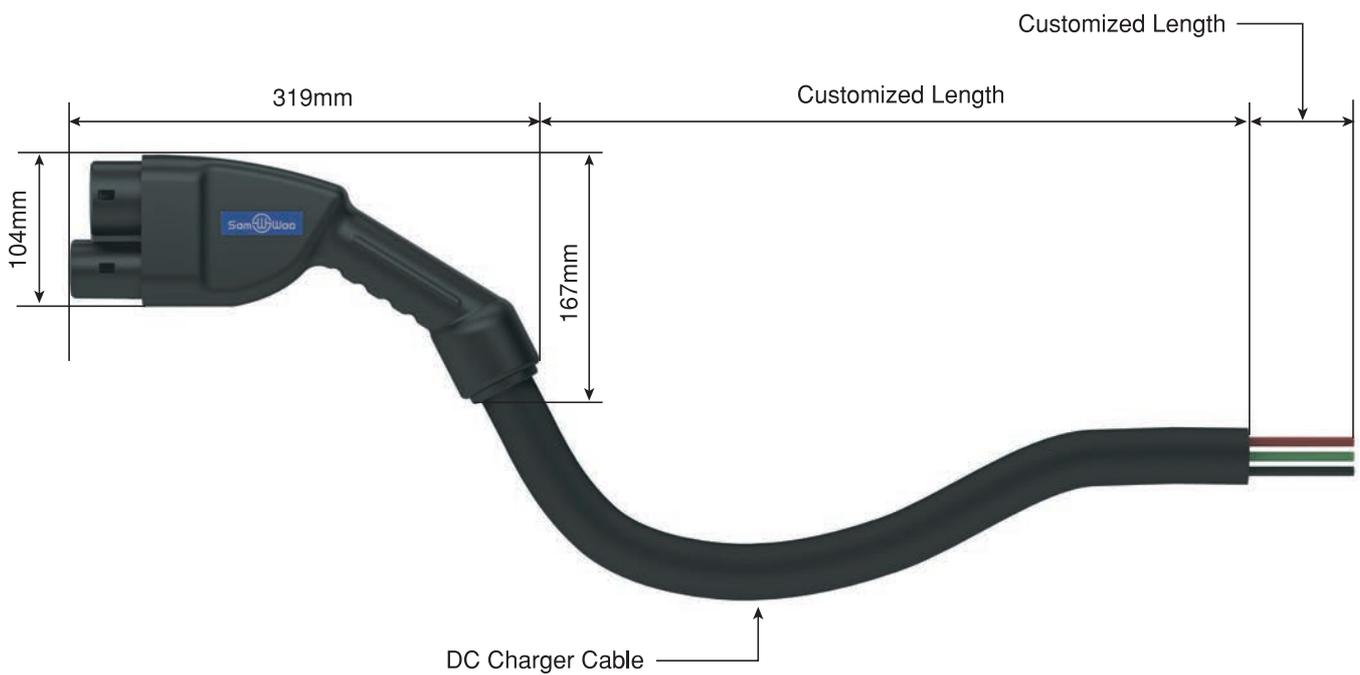
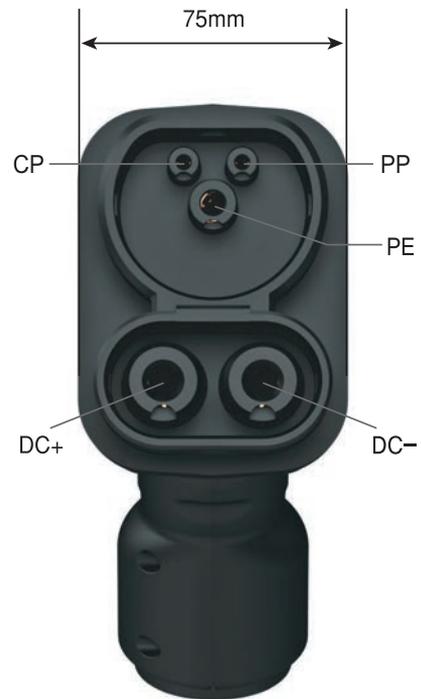
Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.



CCS1 500A Technical Data			
General Specifications	Part No.	SW - EVT501 - N	
	Charger Type	TYPE 1 CCS DC (High Power Charging System)	
	Standard	IEC 62196-1, IEC 62196-3	
	Certification	ETL Certified	
Connector Specifications	Connector Dimensions	66 mm x 165 mm x 318 mm	
	Operating Temperature	- 30°C to + 50°C	
	Storage Temperature	- 40°C to + 50°C	
	Electric Power	500 KW	
	DC Contact	Power Contacts	
	DC Current	500 A	
	DC Voltage	1,000 V	
	Signal Current	2 A	
	Degree of Protection	IP67 (Housing) / 3R	
	Mating Cycle	10,000 ↑	
	Insertion Force	100 N ↓	
Extraction Force	100 N ↓		
Cable Specifications	Material	TPE or TPU	
	Diameter	35.7 mm	
	Color	Black	
	Curvature Radius	DC Line	220 mm
		Fixed	200 mm
		Movement	305 mm
Certification	ETL Certified		
Temperature Sensor Specifications	Sensor Type	PT 1000	
	Standard	DIN EN 60751	
	Current	1 mA (0°C, 1 V)	
	Tolerance	± 1K	
	Temperature Range	- 50°C to + 130°C	
Test Results	STANDARD		
	IEC 62196-1 IEC 62196-3	PASS	
Cooling System	Cooling Capacity	4 KW	
	Flow rate	l/min 2~4	
	Storage Temperature	- 40 °C to + 50 °C	
	Tank Capacity	2.4 l	
	Pump	DC 24 V / 144 W	
	Fan	DC 24 V / 3 x 0.53 A	
	Noise	MAX 65dB	
	Dimension	Length	216 mm
		Width	401 mm
		Height	515 mm
Weight	27 Kg		

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

- Combined Charging System Type 2
- IEC 62196-1, 62196-3
- DC 125A / 1000V Fast Charger
- DC 200A / 1000V Fast Charger
- CE Certified
- Ergonomic Design



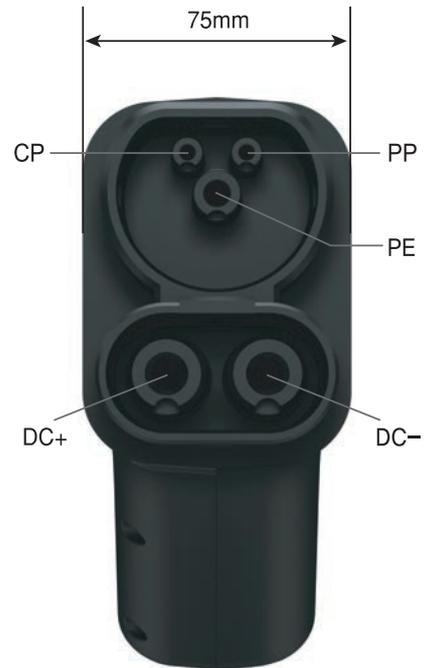
Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.



CCS2 125A / 200A Technical Data			
General Specifications	Part No.	SW - EVT122	SW - EVT202
	Charger Type	TYPE 2 CCS DC	
	Standard	EN 62196-1, EN 62196-3 / IEC 62196-1, IEC 62196-3	
	Certification	CE Certified	
Connector Specifications	Connector Dimensions	75 mm x 168 mm x 320 mm	
	Operating Temperature	- 30°C to + 50°C	
	Storage Temperature	- 40°C to + 80°C	
	Electric Power	125 KW	200 KW
	DC Contact	Power Contacts	
	DC Current	125 A	200 A
	DC Voltage	1,000 V	
	Signal Current	2 A	
	Degree of Protection	IP54 / 3R	
	Mating Cycle	10,000 ↑	
	Insertion Force	100 N ↓	
	Extraction Force	100 N ↓	
Cable Specifications	Material	TPE	
	Diameter	33 mm	36.5 mm
	Color	Black	
	Curvature Radius	198 mm	219 mm
	Certification	Reference Standard : UL 62	
Temperature Sensor Specifications	Sensor Type	PT 1000	
	Standard	DIN EN 60751	
	Current	1 mA (0°C, 1 V)	
	Tolerance	± 1K	
	Temperature Range	- 50°C to + 130°C	
Test Results	STANDARD		
	IEC 62196-1	PASS	
	IEC 62196-3	PASS	

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

- Combined Charging System Type 2
- IEC 62196-1, 62196-3
- DC 200A / 1000V Fast charger
- DC 300A / 1000V Fast charger
- DC 350A / 1000V Fast charger
- CE Certified
- Ergonomic Design
- Replaceable parts



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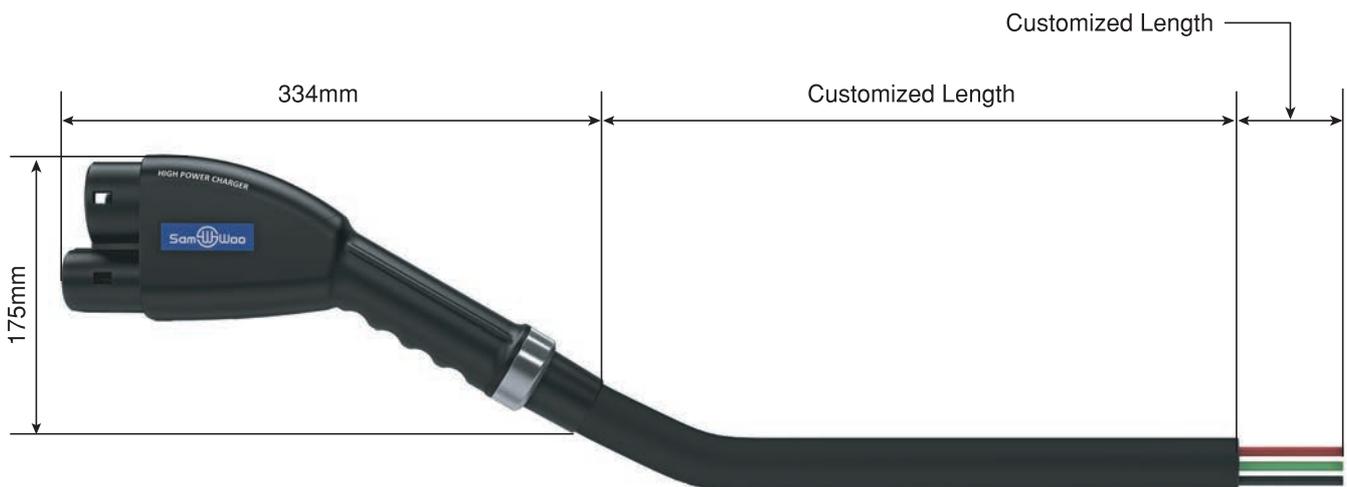
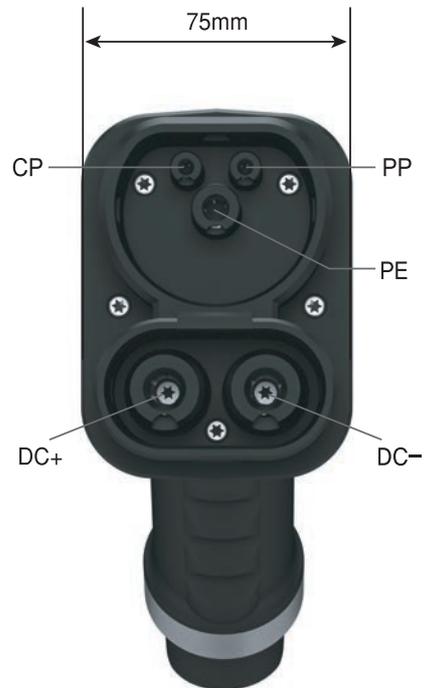
CCS2 200A / 300A / 350A Technical Data

CCS2 200A / 300A / 350A Technical Data				
General Specifications	Part No.	SW - EVTN202	SW - EVT302	SW - EVT - 352 - N
	Charger Type	CCS2 (Combined Charging System)		
	Standard	IEC 62196-1 : 2022, IEC 62196-3 : 2022		
	Certification	CE File No : AK 50603558 0001		
Connector Specifications	Connector Dimensions	75 mm x 170 mm x 295 mm		
	Operating Temperature	- 30°C to + 50°C		
	Storage Temperature	- 40°C to + 80°C		
	Electric Power	200 KW	300 KW	350 KW
	DC Contact	Power Contacts		
	DC Current	200 A	300 A	350 A
	DC Voltage	1,000 V		
	Signal Current	2 A		
	Degree of Protection	IP54 / 3R		
	Mating Cycle	10,000 ↑		
	Insertion Force	100 N ↓		
Extraction Force	100 N ↓			
Cable Specifications	Material	TPE		
	Diameter	36.5 mm	38.9 mm	40.5 mm
	Color	Black		
	Curvature Radius	219 mm	233 mm	243 mm
	Certification	Reference Standard : UL 62		
Temperature Sensor Specifications	Sensor Type	PT 1000		
	Standard	DIN EN 60751		
	Current	1 mA (0°C , 1 V)		
	Tolerance	± 1K		
	Temperature Range	- 50°C to + 130°C		
Test Results	STANDARD			
	IEC 62196-1	PASS		
	IEC 62196-3	PASS		

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

CCS2 500A Dimensions

- Combined Charging System Type 2
- IEC 62196-1, 62196-3
- DC 500A / 1000V High Power Charger
- Liquid Cooling System
- Ergonomic Design
- Replaceable Parts

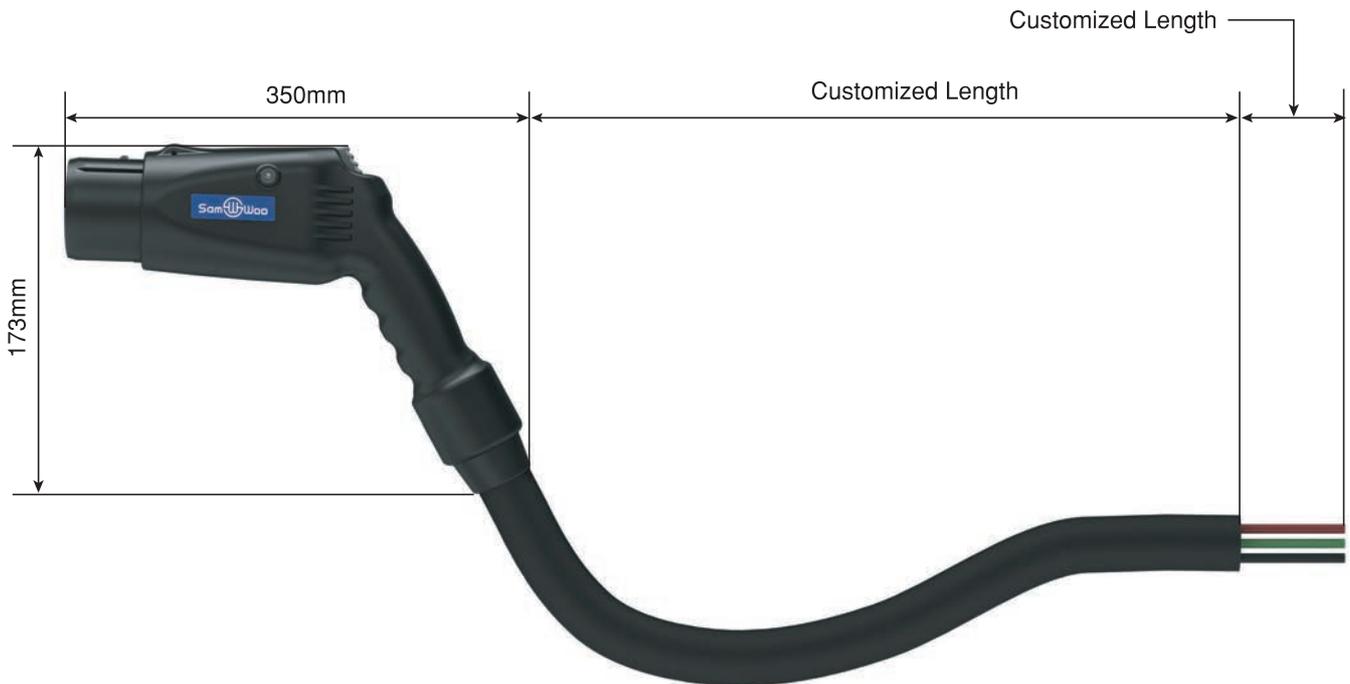
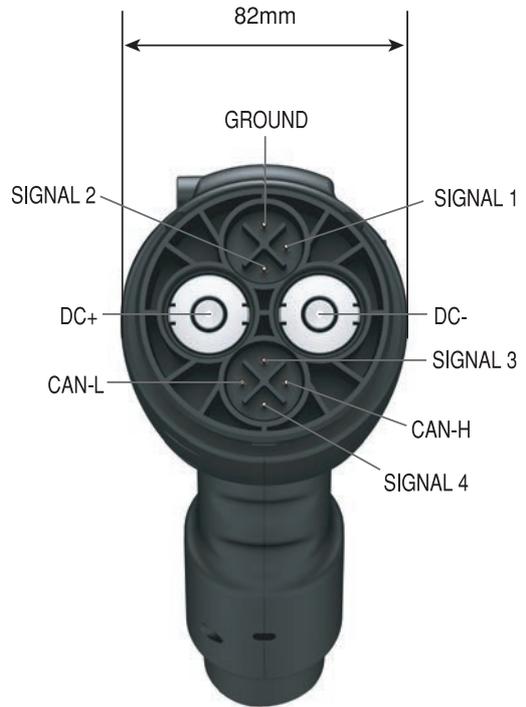


Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

CCS2 500A Technical Data			
General Specifications	Part No.		SW - EVT502 - N
	Charger Type		TYPE 2 CCS DC (High Power Charging System)
	Standard		IEC 62196-1, IEC 62196-3
	Certification		CE Coming Soon / ETL Coming Soon
Connector Specifications	Connector Dimensions		75 mm x 165 mm x 318 mm
	Operating Temperature		- 30°C to + 50°C
	Storage Temperature		- 40°C to + 50°C
	Electric Power		500 KW
	DC Contact		Power Contacts
	DC Current		500 A
	DC Voltage		1,000 V
	Signal Current		2 A
	Degree of Protection		IP67 (Housing) / 3R
	Mating Cycle		10,000 ↑
	Insertion Force		100 N ↓
Extraction Force		100 N ↓	
Cable Specifications	Material		TPE or TPU
	Diameter		35.7 mm
	Color		Black
	Curvature Radius	DC Line	220 mm
		Fixed	200 mm
		Movement	305 mm
Certification		ETL coming soon	
Temperature Sensor Specifications	Sensor Type		PT 1000
	Standard		DIN EN 60751
	Current		1 mA (0°C, 1 V)
	Tolerance		± 1K
	Temperature Range		- 50 °C to + 130 °C
Cooling System	Cooling Capacity		4 KW
	Flow rate		l/min 2~4
	Storage Temperature		- 40 °C to + 50 °C
	Tank Capacity		2.4 l
	Pump		DC 24 V / 144 W
	Fan		DC 24 V / 3 x 0.53 A
	Noise		MAX 65dB
	Dimension	Length	216 mm
		Width	401 mm
		Height	515 mm
Weight		27 Kg	

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

- CHAdeMO EV Charging Standard
- IEC 62196-1 , 62169-3
- DC 125A / 500V Fast Charger
- CE Certified



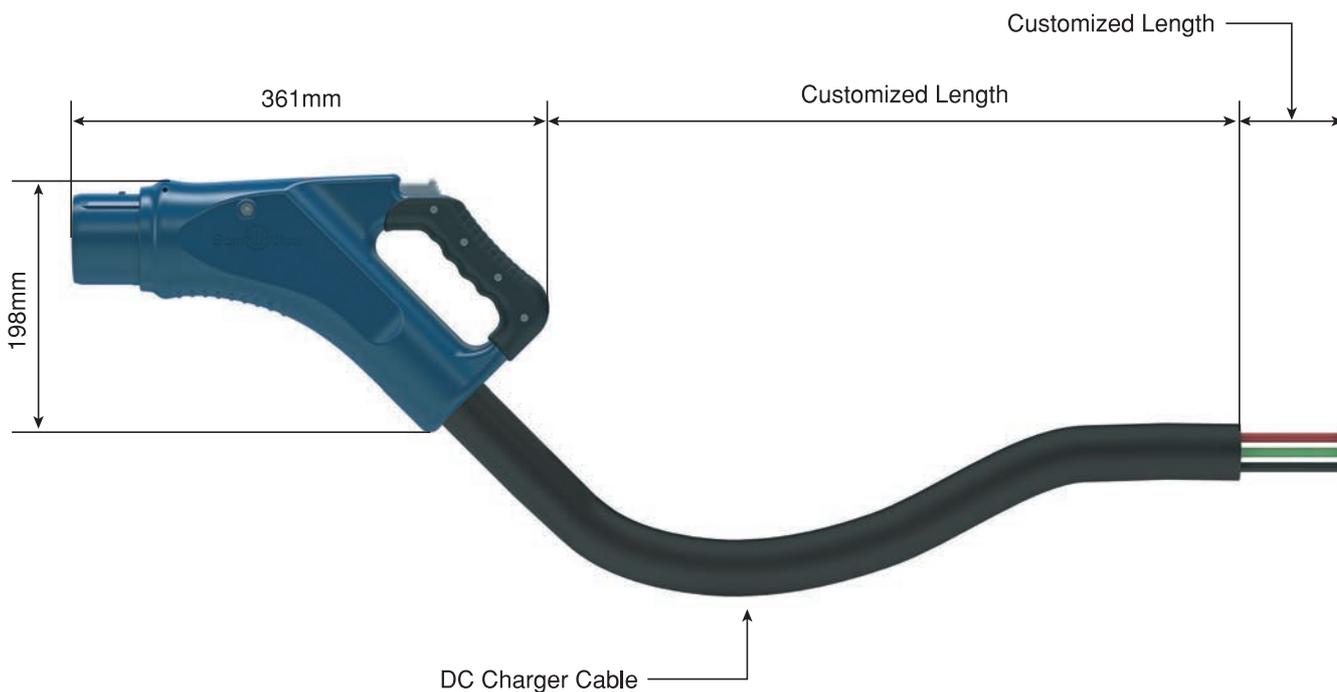
Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.



CHAdeMO 125A Technical Data			
General Specifications	Part No.	SW - EVT123	SW - EVJ123
	Charger Type	CHAdeMO	
	Standard	IEC 62196-1, IEC 62196-3	
	Certification	UL Certified / CE Certified	-
Connector Specifications	Connector Dimensions	82 mm x 162 mm x 286 mm	
	Operating Temperature	- 30°C to + 50°C	
	Storage Temperature	- 40°C to + 80°C	
	Electric Power	125 KW	94 KW
	DC Contact	Power Contacts	
	DC Current	125 A	
	DC Voltage	1,000 V	750V
	Signal Contact	Signal Line : 7, Solenoid Line : 2	
	Signal Current	2 A	
	Degree of Protection	IP54 / 3R	
	Mating Cycle	10,000 ↑	
	Insertion Force	100 N ↓	
	Extraction Force	100 N ↓	
Solenoid	Actuation Voltage	DC 12 V	
	Release Voltage	0V (No current flow)	
	Hold Voltage	DC 7V ± 1V	
	Coil Resistance	38 Ω ± 10% (Reference at 20°C)	
Cable Specifications	Material	TPE	
	Diameter	33 mm	
	Color	Black	
	Curvature Radius	198 mm	
	Certification	Reference Standard : UL 62	Reference Standard : JCS 4522
Test Results	STANDARD		
	IEC 62196-1 IEC 62196-3	PASS	Coming Soon

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

- CHAdeMO EV Charging Standard
- IEC 62196-1, 62196-3
- DC 200A / 1000V Fast Charger
- UL / CE Certified



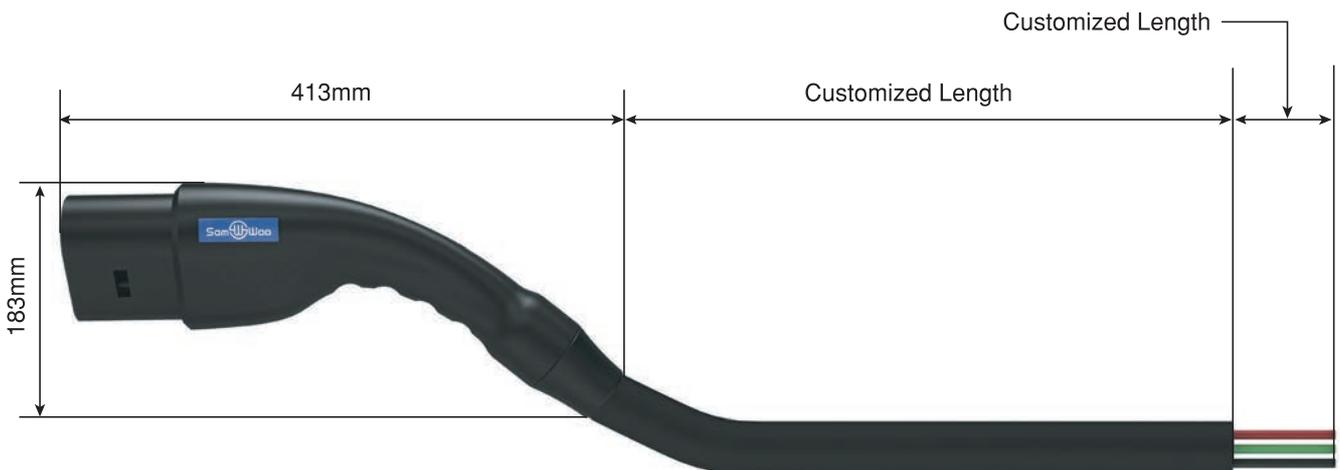
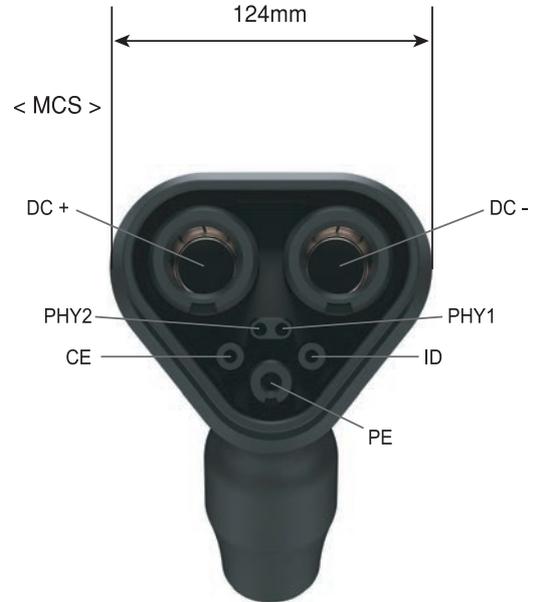
Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

CHAdEMO 200A Technical Data			
General Specifications	Part No.	SW - EVT203	SW - EVJ203
	Charger Type	CHAdEMO	
	Standard	IEC 62196-1, IEC 62196-3	
	Certification	UL Certified / CE Certified	-
Connector Specifications	Connector Dimensions	92 mm x 198 mm x 365 mm	
	Operating Temperature	- 30°C to + 50°C	
	Storage Temperature	- 40°C to + 80°C	
	Electric Power	200 KW	150 KW
	DC Contact	Power Contacts	
	DC Current	200 A	
	DC Voltage	1,000 V	750V
	Signal Contact	Signal Line : 7, Temperature Sensor Line : 4, Solenoid Line : 2	
	Signal Current	2 A	
	Degree of Protection	IP54 / 3R	
	Mating Cycle	10,000 ↑	
	Insertion Force	100 N ↓	
	Extraction Force	100 N ↓	
Solenoid	Actuation Voltage	DC 12 V	
	Release Voltage	0V (No current flow)	
	Hold Voltage	DC7V ± 1V	
	Coil Resistance	38 Ω ± 10% (Reference at 20°C)	
Cable Specifications	Material	TPE	
	Diameter	42.8 mm	40 mm
	Color	Black	
	Curvature Radius	256 mm	240 mm
	Certification	Reference Standard : UL 62	Reference Standard : JCS 4522
Temperature Sensor Specifications	Sensor Type	NXFS15XH103FA1B [MURATA]	
	Standard	E137188	
	Current	0.12 mA	
	Tolerance	- 40 °C to + 125 °C	
Test Results	STANDARD		
	IEC 62196-1	PASS	Coming Soon
	IEC 62196-3		

Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

MCS Dimensions

- Megawatt Charging Standard
- 1.5MW Charger



Specifications subject to change without notice. Contact Sam Woo Electronics for the latest specifications.

The following Requirements for the Megawatt Charging System (MCS) are currently discussed :

Rated Voltage	1,500V DC (DC + &DC - &Metering wires), 30V DC (CE&ID&PHY1&PHY2)
Rated Current	1,000A Max (DC + &DC-) The Max Permissible Temperature of Contact is 100°C (Max T-rise is 50°C) The Max Permissible Temperature of Cable is 85°C 2A Max (PHY1&PHY2), 10A Max (CE&ID), Rated Voltage : 60V
Insulation Resistance	100M Ω Min (1500V DC FPR DC + &DC-, 500V DC for Others)
Withstand Voltage	4000V / AC r.m.s (DC + &DC-), Others 500V / AC r.m.s
IP-Class	IP44 (Plugged in)
Ambient Temperature	- 40°C ~ + 50°C
Storage Temperature	- 40°C ~ + 80°C
Cable Minimum Bending Radius	≥ 10 OD DC+ and DC- Minimum Bending Radius : ≥ 200 mm
Durability	20,000 Cycles
Working Pressure	0 ~ 7bar
Cooling Medium	Dielectric Coolant

CCS1 COUPLER HOLDER



CCS1 COUPLER HOLDER Dimensions



Front View



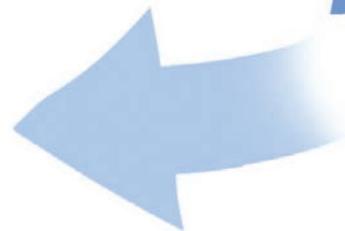
Side View

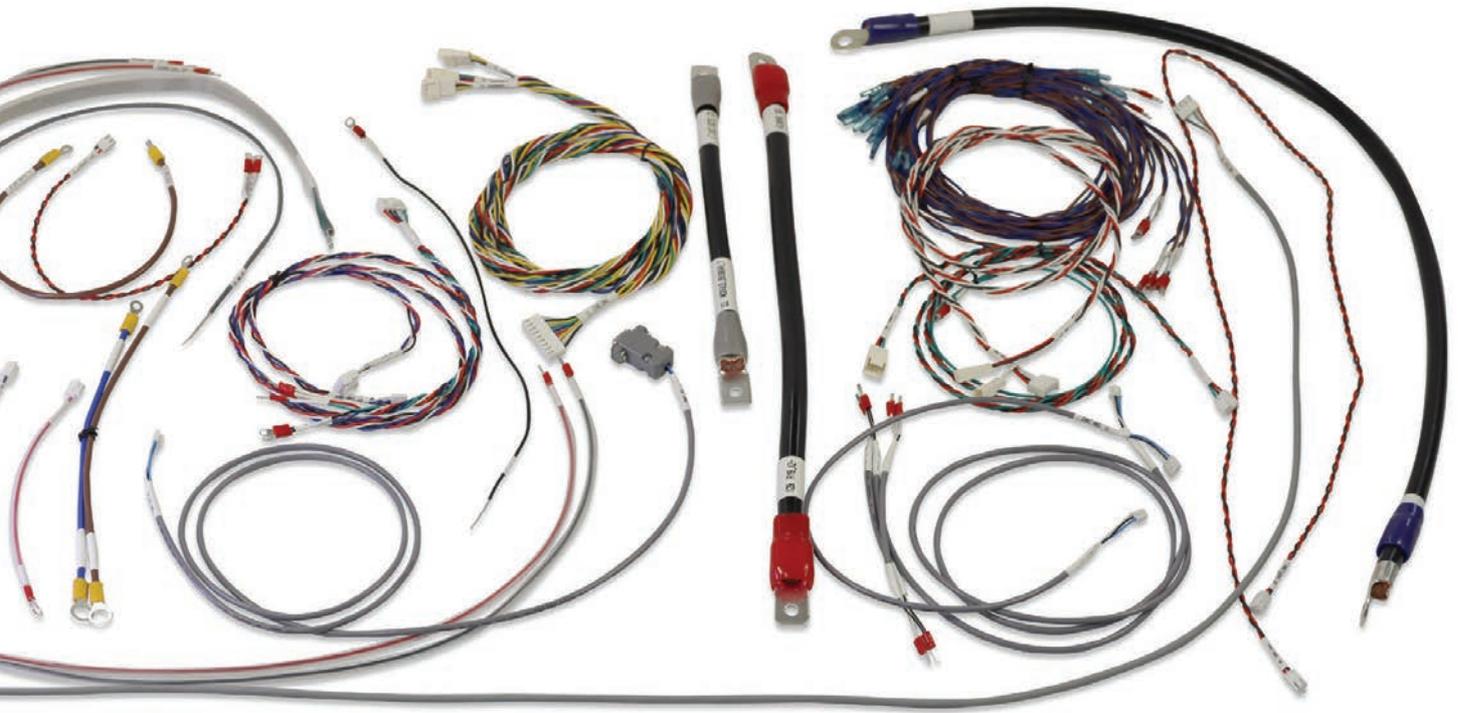
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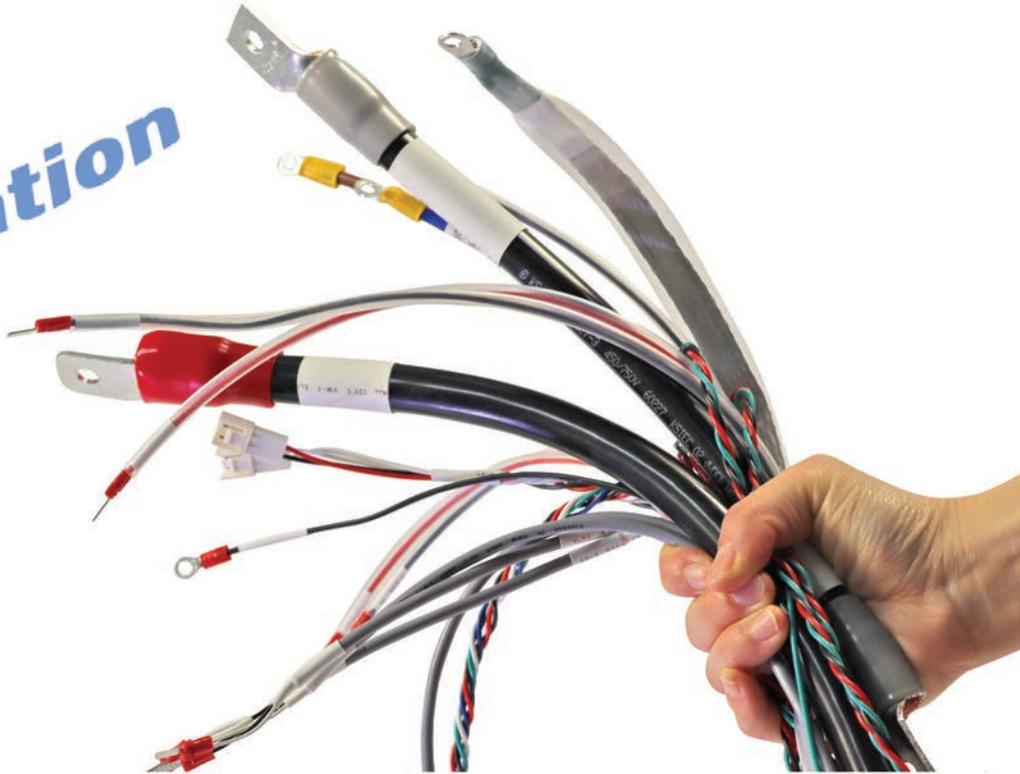


**EVSE Internal
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Connector Overview



SW / AM Series

Size / No. of Contacts
Contacts 8, 23

Material / Finish
Body - PBT
Insulator - PBT
Contacts - Brass



SCC Series

Size / No. of Contacts
Size - 13,16,21,25
Contacts - 3,4,5,7,8,10,16,24

Material / Finish
Body - Aluminum alloy / Ni plating
Insulator - Thermosetting resin / Blue, Green
Contacts - Copper alloy / Silver plating



SCK / SCN Series

Size / No. of Contacts
SCN Size - 12,16,20,25
SCK Size - 12,16,20,25,30,32,40
Contacts - 2,3,4,5,6,7,8,10,12,14, 20

Material / Finish
Body - Zinc alloy / Ni plating
Insulator - PA & Bakelite / Green & Black
Contacts - Brass, Phosphor Bronze / Silver or Gold plating



SH Series

Size / No. of Contacts
Size - 9
Contacts - 6

Material / Finish
Body - Brass / Chromium plating
Insulator - Glass filled polyacetal / White
Contacts - Brass, Phosphor Bronze / Gold plating



SM Series

Size / No. of Contacts
Size - 9
Contacts - 8

Material / Finish
Body - Brass / Ni plating
Insulator - PA / Black, Ivory
Contacts - Brass, Phosphor Bronze / Gold plating



Push-Pull

SN Series

Size / No. of Contacts
Size - 8,10
Contacts - 2,3,4,5,6,9,10,12

Material / Finish
Body - Zinc alloy and Brass / Ni Plating
Insulator - PA / Black
Contacts - Brass, Phosphor Bronze / Silver or Gold Plating



Push-Pull

SP Series

Size / No. of Contacts
Size - 00,0,1,2,3
Contacts - multiple

Material / Finish
Body - Brass / Chromium Plating
Insulator - PEEK, PA or Teflon
Contacts - Brass / Gold Plating



Push-Pull

SPP Series

Size / No. of Contacts
Size - 1
Contacts - multiple

Material / Finish
Body-PSU, PEI, PC
Insulator - PEEK, PA
Contacts - Brass / Gold Plating

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SR IP67 Series

Size / No. of Contacts
Size - 8
Contacts - 4

Material / Coating
Cap - Brass / Ni Plating
Insulator - PBT / Black
Outer sheath - PVC / Black
Contacts - Brass, Phosphor Bronze / Silver or Gold Plating



Bayonet

SRC Series

Size / No. of Contacts
Size - 21
Contacts - 10,16,26

Material / Coating
Body - Aluminum alloy / Ni plating
Insulator - Thermosetting resin / Black or Blue
Contacts - Brass, Phosphor Bronze/Gold or Silver plating



ST Series

Size / No. of Contacts
Size - 8,8B,9, 9A
Contacts - 12,14,16,20

Material / Coating
Body - Brass & Zinc alloy / Ni plating
Insulator - PPS resin / Black
Contacts - Brass, Phosphor Bronze / Gold plating



ST IP67 Series

Size / No. of Contacts
Size - 9W
Contacts - 12,16,20

Material / Coating
Body - Brass & Zinc alloy / Ni plating
Insulator - PPS resin / Black
Contacts - Brass, Phosphor Bronze / Gold plating



SU2 / SU3 IP67 Series

Size / No. of Contacts
Size - 20
Contacts - 3,4,5,6,8,A5,12,14

Material / Coating
Body - Zinc Alloy,Brass
Insulator - PA
Contacts - Phosphor Bronze



SW Series

Size / No. of Contacts
Size - 8,10
Contacts - 2,3,4,5,6,9,10,12

Material / Coating
Body - Brass / Ni plating
Insulator - PA / Black
Contacts - Brass, Phosphor Bronze / Silver or Gold Plating



SW IP67 Series

Size / No. of Contacts
Size - 8,10,16
Contacts - 2,3,4,5,6,9,10,12,28

Material / Coating
Body - Brass / Ni plating
Insulator - PA / Black
Contacts - Brass, Phosphor Bronze / Silver or Gold Plating



Push-Pull

SXR Series

Size / No. of Contacts
Size - 10
Contacts - 8

Material / Coating
Body - Aluminum alloy / Ni plating
Insulator - PBT resin / Black
Contacts - Brass, Phosphor Bronze / Gold plating

Cable Assembly Overview



SW-AM Series Cable Assembly



SCC Series Cable Assembly



SCN / SCK Series Cable Assembly



SP Series Cable Assembly



SPP Series Cable Assembly



SN Series Cable Assembly



SU2 / SU3 Series Cable Assembly



SH Series Cable Assembly



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