



GVT SDN BHD

Copyright (c) 2022 by GVT SDN. BHD.

This document is copyrighted by GVT SDN. BHD. All rights are reserved.

This document may not, in whole or in part, be copied, photo-copied, reproduced, translated, or reduced to any electronic medium or machine-readable form without permission of GVT SDN. BHD.

Content



01 EV Charging Station

02 LOKA EV Plus Products

03 LOKA EV Plus Ecosystem

04 Our Key Advantages

05 Appendix

EV Charging Station



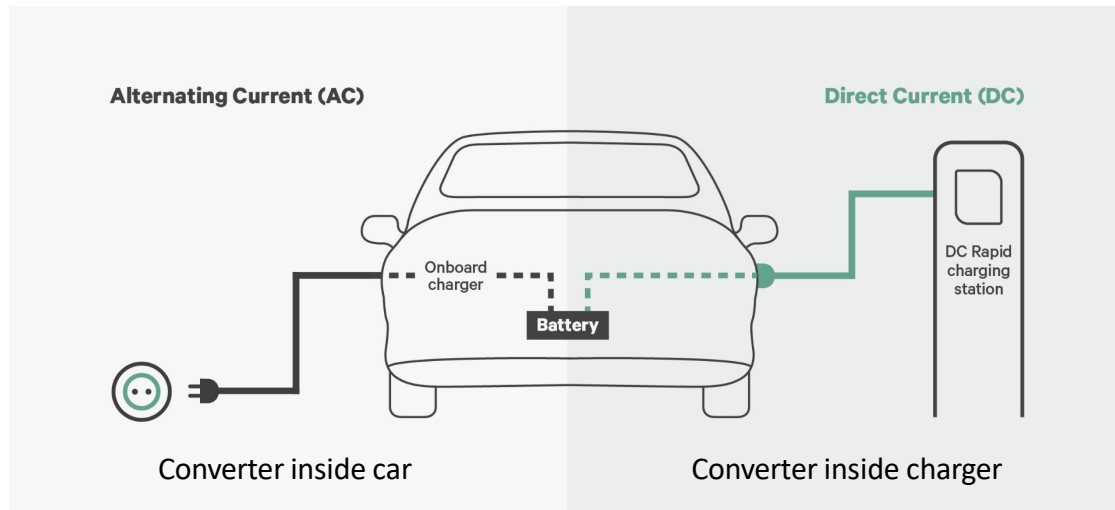
An electric vehicle charging station that **connects an electric vehicle (EV)** to a source of electricity to **recharge electric cars, battery electric vehicles (BEV)** and **plug-in hybrids electric vehicles (PHEV)**. It's also called **Electric Vehicle Supply Equipment (EVSE)**.

There have 3 different speeds of charging:

Type of Level	Input Voltage (volt)	Type of Current	Estimation Range
Level 1	120 V	AC	8 km per hour charging
Level 2	240 V	AC	16-32 km per hour charging
Level 3	480 V	DC	64 km per 10 minutes charging

Charging Station Comparison

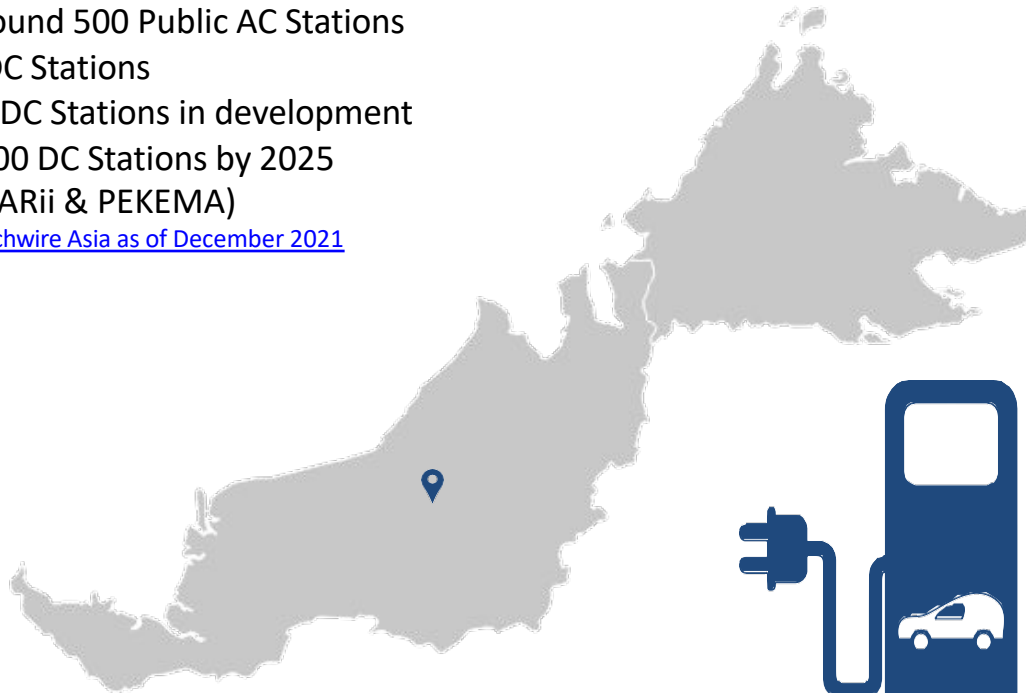
AC Charging Station	DC Charging Station
Used for charging of electric vehicle at various speeds	Typically used for fast charging of electric vehicles
Alternating current/power	Direct current/power
Require power range between 16A and 63A	Require a lot of power around 125A
Converted to DC by the car	Converted to DC by the charger
Estimation 8 hours to fully charge	Estimation 1 hour to fully charge
More commonly found	Mostly found along highways



EV Charging Station in Malaysia

- Around 500 Public AC Stations
- 9 DC Stations
- 10 DC Stations in development
- 1000 DC Stations by 2025 (MARii & PEKEMA)

*Techwire Asia as of December 2021



Legend:



Less than 5



Less than 10



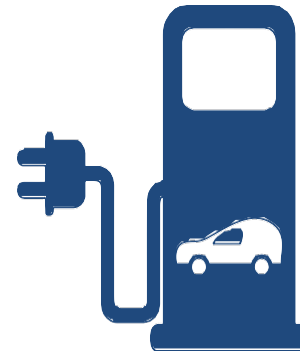
Less than 20



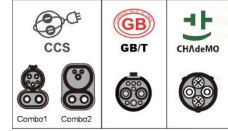
More than 50



More than 100



LOKA EV Plus Product



Portable AC Charger

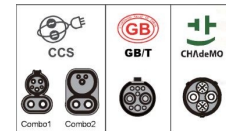


Wall Mounted AC Charging Station



Floor Mounted DC Charging Station

Portable AC Charger

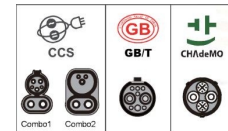


Model	PC07032
Input Voltage	230 V AC \pm 15%
Output Voltage	230 V AC \pm 15%
Output Power	7.4kW
Output Current	8A/10A/13A/16A/20A/32A (adjustable)
Ethernet/WIFI/4G	No
Display Screen	Tube
Protection	IP65
Dimension (mm)	255 x 109 x 55
Weight (kg)	~4
Temperature	-30°C to 55°C
Charging Connector	AC Type 1, AC Type 2, GB/T



**Specification are customizable upon request*

Wall Mounted AC Charging Station

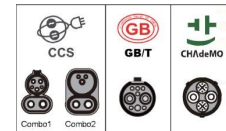


Model	AC11016	AC22032
Input Voltage	400V AC± 15%	
Output Voltage	400V AC 3 Phase	
Output Power	11kW	22kW
Output Current	16A	32A
Ethernet/WIFI/4G	Yes (Optional)	
Display Screen	4.3 Inches	
Protection	IP55	
Dimension (mm)	350 x 350 x 150	
Weight (kg)	~10	
Temperature	-25°C to 50°C	
Charging Connector	AC Type 1, AC Type 2,GB/T	



**Specification are customizable upon request*

Floor Mounted DC Charging Station



Model	FC60750	FC120750	FC180750
Input Voltage	380 / 480 V AC \pm 15%		
Output Voltage	200V - 750V DC		
Output Power	60kW	120kW	180kW
Output Current	200A	250A	250A
Ethernet/WIFI/4G	Yes (Optional)		
Display Screen	7 Inches		
Protection	IP54		
Dimension (mm)	776 x 619 x 1747		
Weight (kg)	275	310	328
Temperature	-20°C to 50°C		
Charging Connector	CCS2, CHAdeMO, GB/T		



**Specification are customizable upon request*

LOKA EV Plus Features



Modular design including control system, power source system, distributed power system and power factor system.



Remote firmware upgrade via APP.



Remote power module upgrade for DC charger only.



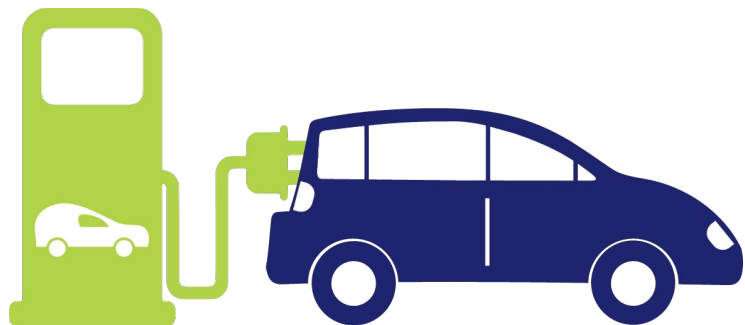
Auto sleep mode after fully charged with low standby power consumption at < 10W for DC charger and AC charger.



Remote diagnostic function by simplifies data collection and analysis process for public charger.



LOKA EV Plus AC Benefits



Innovativeness



Acrylic panel, modern design Business use with intelligent App control WiFi Mesh technique, saving cost on wire installation.

Intelligent Control



Wireless communication (Wi-Fi/Bluetooth), Ethernet/4G optional OCPP communication protocol with the backend Intelligent operation by App and cashless payment.

Flexible Option



Universal Type 2 socket, optional with Type 1/Type 2 charging cable App operation or RFID authentication or plug and play Wall-mounted or floor-stand installation.

Secure and Safe



RCD Type A and 6mA DC residual current protection MID certified energy meter with accurate measurement

LOKA EV Plus DC Benefits



Safe & Intelligent

Full protection: OVP, UVP, OCP, SC, OTP etc.

Smart intelligent: Self monitor and recovery if the protection disappear.



Multiple Installation Mode

Portable/Wall Mount/Upright

One button start/stop



Open for Customization

Touchable screen, card, password, voice navigation, payment and etc.



Multiple Power

7kW-180kW



Global Version Available

CCS, GB/T, CHADEMO and support OCPP 1.6



LOKA EV Plus Ecosystem



EV Charging Station Location

All charging station location throughout Malaysia



Map

Partnership with TM in providing Malaysia map



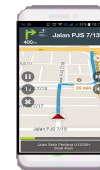
EV & PHEV

Support various vehicles



Charging Station Booking

Online booking for seamless charging



Navigation Apps

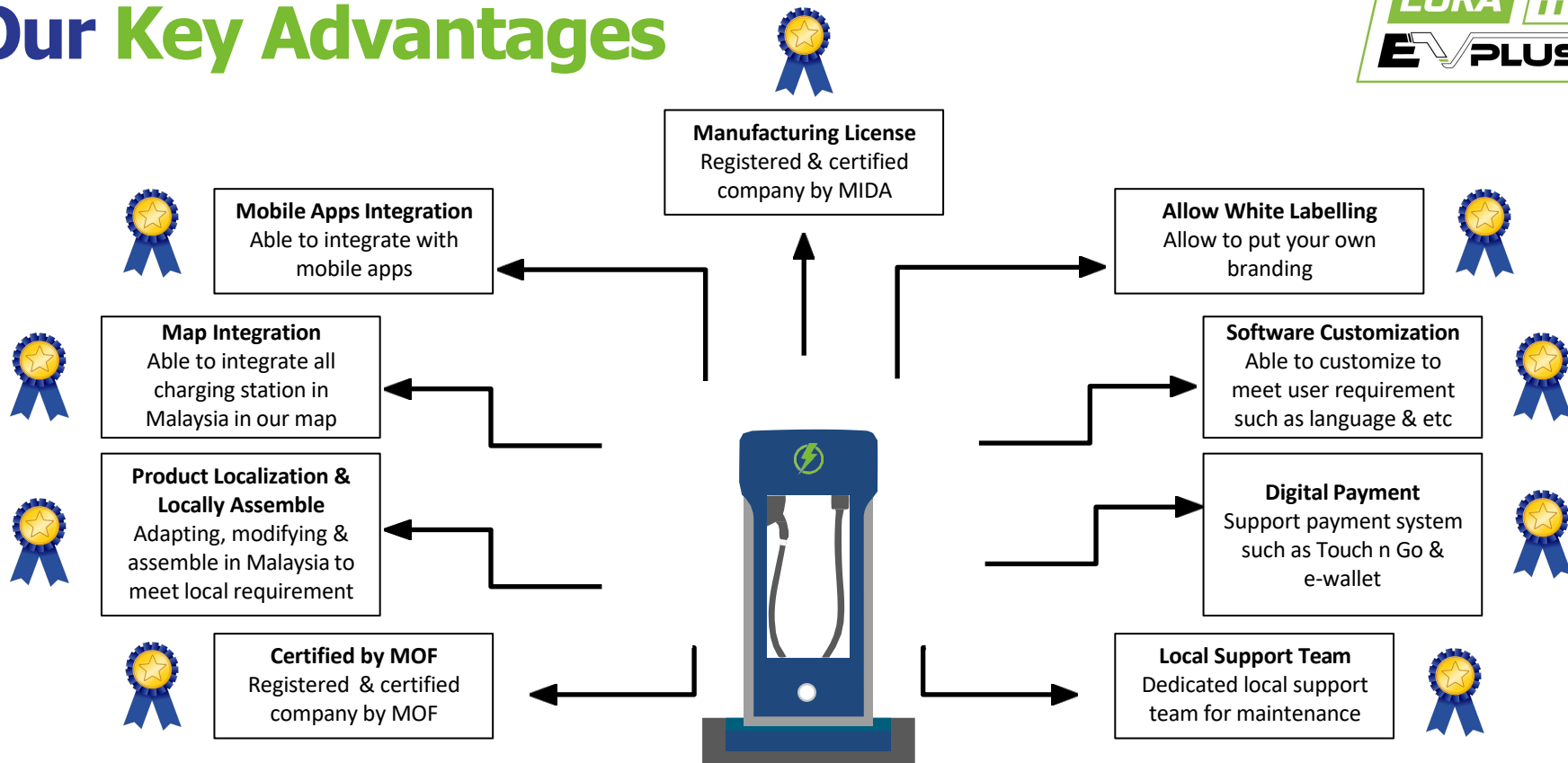
Navigate to the EV charging station location



Digital Payment

Seamless transaction

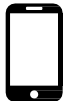
Our Key Advantages



Contact Us



**GVT SDN BHD, JALAN PENGARAH U1/29,
HICOM GLENMARIE INDUSTRIAL PARK,
40150 SHAH ALAM, SELANGOR**



Emma
Reduan

: +6016-3332331
: +6011-15653763



+603-55697332



www.goautovan.my



Emma
Reduan

: narimah@goauto.com.my
: reduan.hisham@gmail.com



+603-55696332



Thank You

Copyright (c) 2022 by GVT SDN. BHD.

This document is copyrighted by GVT SDN. BHD. All rights are reserved.

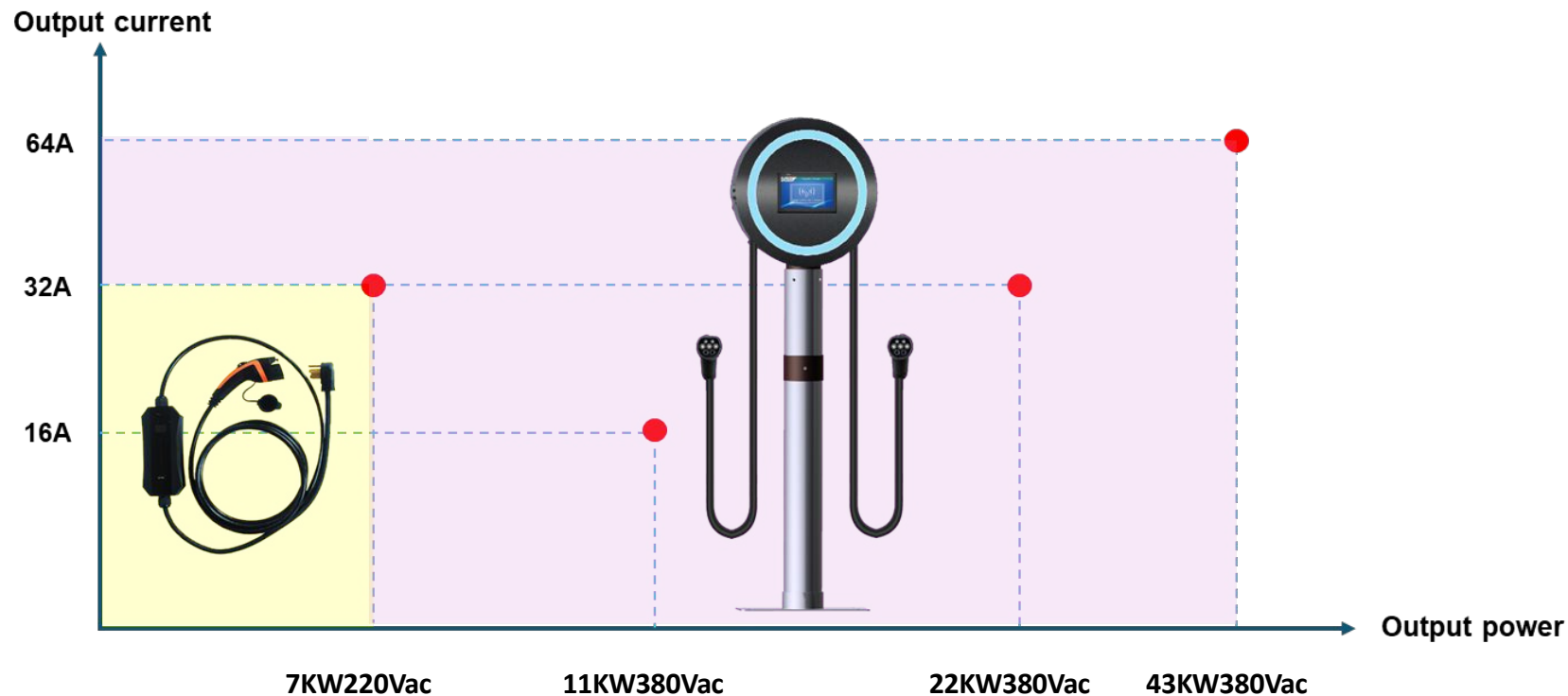
This document may not, in whole or in part, be copied, photo-copied, reproduced, translated, or reduced to any electronic medium or machine-readable form without permission of GVT SDN. BHD.



Connecting
You
To The
Future

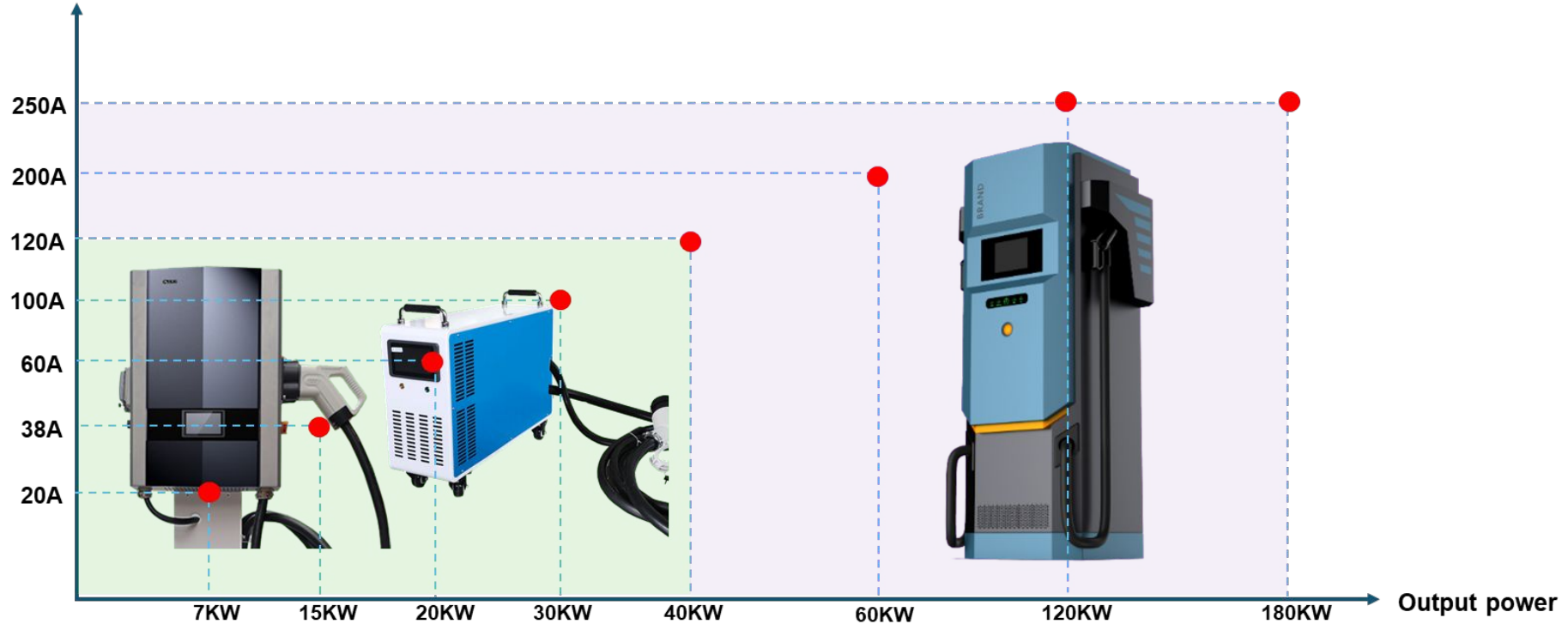
Appendix

AC Output



DC Output

Output current



Compatible Vehicle



Charging Type	Connector Type	Vehicle Model
AC	Type 2	Porsche Taycan, BMW iX, BMW iX3, BMW i4, Volvo XC40 Recharge, Mini Electric, Tesla Model 3, Hyundai Ioniq & Kona, Renault New Zoe, Nissan Leaf, VW e-Golf & e-Up, Jaguar I-Pace, Audi e-tron, OPEL Ampera-e, Chevrolet Spark, Geely TX electric Tax, Ford Focus
	GB/T	GWM ORA, BYD, BAIC, Chery, Geely, Aion S, MG, Xiao Peng, JAC, Zotype etc.
DC	CCS2	Porsche Taycan, BMW iX, BMW iX3, BMW i4, Volvo XC40 Recharge, Mini Electric, Tesla Model 3, Hyundai Ioniq & Kona, Renault New Zoe, VW e-golf & e-up, Jaguar ipace, , Audi e-tron, OPEL Ampera-e, Chevrolet Spark, Geely TX Electric Taxi, Ford Focus
	CHAdMo	Nissan Leaf & e-NV200, KIA Soul, Citroen C-Zero & e-Berlingo, Peugeot On, Mitsubishi I-Mev & Outlander, Geely TX Electric Taxi, Zero Motorcycles, Tesla Model S (need adapter)
	GB/T	GWM ORA, BYD, BAIC, Chery, Geely, Aion S, MG, Xiao Peng, JAC, Zotype , HiGER etc

Type of Charging Connector

Current Type	Region				
	North America	Japan	EU and the rest of markets	China	All Market except EU
AC					
Plug Name	J1772 (Type 1)	J1772 (Type 1)	Mennekes (Type 2)	GB/T	
DC					
Plug Name	CCS1	CHAdeMO	CCS2	GB/T	Tesla

Lokatoo Map - EV Charging Station

