

## TIPS & TRICKS

### EV charging cables

Application for

All EV models



## EV Charging Cables

The charging cable is the connector that you insert into the charging socket of an electric vehicle and there are two types of charging

- Alternating Current (AC)
- Direct Current (DC).

## AC & DC Charging Properties

Point	AC charging	DC charging
Power rating	Up to 43 Kw	Up to 350 Kw
Charging duration	4 to 8 hrs	Average 1 hr
Charging method	Need onboard charger to change from AC to DC for battery	Directly to battery
Cables types	Type 1, Type 2	CHAdMo, CCS
Pros & cons	<ul style="list-style-type: none"> <li>• Less expensive.</li> <li>• Low Power consumption.</li> </ul>	<ul style="list-style-type: none"> <li>• Expensive.</li> <li>• High power consumption.</li> </ul>



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## AC Cables Types

Point	Type 1	Type 2
Power rating	(3.7, 7) kW	(3.7, 7, 22) kW
Power phase	Single phase power supply	Three phase power supply
Lock mechanism	No locking mechanism	Inbuilt locking mechanism
Plug pin layout	5 pins	7 pins
Region	Japan & America	Europe
Picture		

## DC Cables Types

Point	CHAdeMo	CCS1 or CCS2
Power rating	(50, 100) kW	(50, 100, 350) kW
Lock mechanism	No locking mechanism	Inbuilt locking mechanism
Plug pin layout	10 pins	7 pins
Region	Japan	Europe & North America
Picture		 <p>CCS 1                      CCS 2</p>



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