

Teison



Teison DC Charging Station

TS-EDC60-001
TS-EDC90-001

TS-EDC120-001
TS-EDC180-001



Product overview

At Teison, we want to establish a one-stop turnkey EV AC&DC Charging solutions that enable we are your first choice when it comes to implement EV AC&DC charger projects.

Teison DC charging station is the latest generation of EV charging device . It charges electric vehicles(EV) in DC/ AC modes, and charges up three cars simultaneously.

The station can dynamically allocate total power to the outputs, according to users demands or to the availability of the grid. For example, there are two same cars connected to 60KW station, the station can dynamically allocate 30KW to each of them. If one is disconnected, the total power (60 kW) is dynamically supplied to the remaining one. This flexibility always ensures availability and high efficiency on all outputs.

Teison DC charging station is specifically designed with a modular structure to ensure maximum flexibility and to allow for upgrades, even after installation. Therefore, we can supply a variety of charging powers and configurations that range from 60 kW to 360 kW.

Technical specifications:

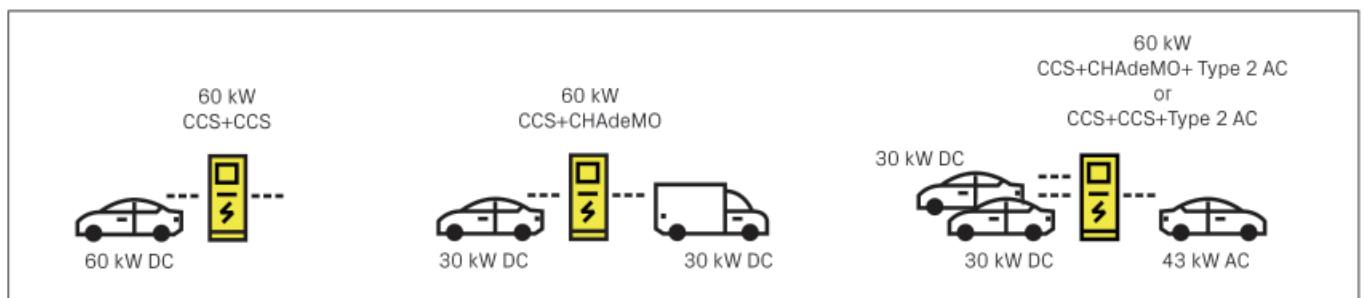
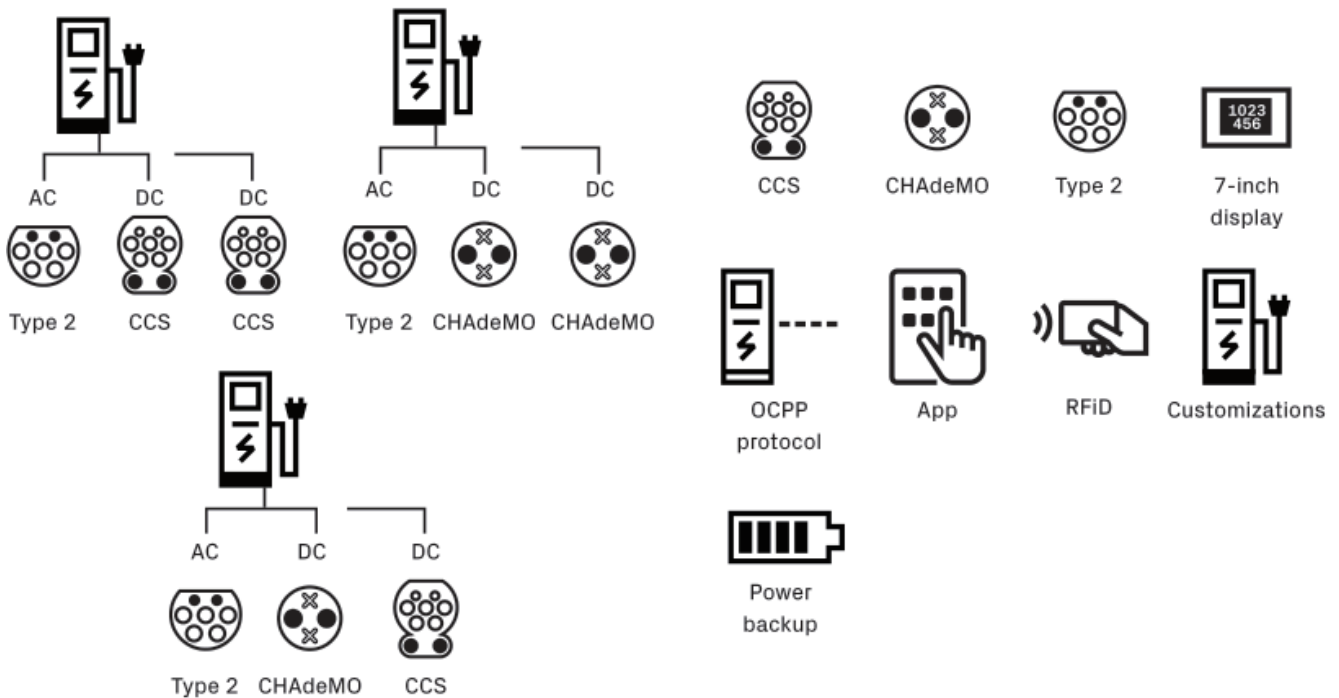
- 3-gun synchronous charging (2 DC + 1 AC).
- The modular structure 20 / 30 / 40KW. Power modulars could be stackable.
- Dynamic allocation on DC outputs (Constant power module).
- IP55,IK10.
- Maximum rate of 95% charging efficiency.
- Highly efficient heat exchange to ensure operation in any weather.
- CE certification (prior to customer requirements).

Signal and Control:

- 7-inch touchable screen to display the charging information.
- RFID Reader.
- Emergency stop button.
- LED indicator.
- OCPP 1.6 Json protocol (free upgrade to 2.0 in the future).
- Network interface:Ethernet(WIFI, 3g/4gLTE as optional).

Connector Type:

- Multiple configurations (CCS2, CHAdeMO, GB is customizable), and Type2 (up to 43KW optional)



The case refers to a charging station with a maximum power of 60 KW.

Parameter

The Teison DC charging stations are 60KW /90KW /120KW /180KW output, with configuration of 2 DC guns(CCS1/CCS2/CHAdemo)+ 1 AC 22KW gun.

Input	Rated supply voltage	400V AC $\pm$ 10% (3P + N + PE)			
	Ground system type	TT or TN (both with PE)			
	Maximum rated capacity	110kVA	143kVA	176kVA	240kVA
	Maximum rated current	159A	207A	255A	347A
	Power factor	99%			
	Maximum efficiency	> 95%			
	THD	<5%			
	Frequency	50-60Hz			
Output	Charging method	Mode 3 , Mode 4			
	Available sockets	CHAdemo, CCS2, GB, Type2			
	Maximum AC output power (type 2)	43KW			
	Rated AC output voltage (Type 2)	400V AC $\pm$ 10%			
	Rated AC output current (Type 2)	63A			
	The DC output rated power (CCS)	60KW	90KW	120KW	180KW
	DC output rated voltage (CCS)	150 ~1000 V DC			
	DC output rated current (CCS)	200A			
	DC output rated power (CHAdemo)	30-120 kW			
	Rated DC output voltage (CHAdemo)	150 – 600 V DC			
	Maximum DC output current (CHAdemo)	200A			
	The DC output rated power (GB)	60KW	90KW	120KW	180KW
	DC output rated voltage (GB)	150 – 750 V DC			
	Maximum DC output current (GB)	250A			

Mechanical data	Dimensions	650*690*1556mm (L*W*H) 724*750*1855mm (L*W*H)			
	Charging cable length	4M			
	weight	320 kg	335 kg	360 kg	400 kg
	IK protection level	IK10			
	Shell material	galvanized steel			
	Pollution level	PD3			
environmental data	IP protection level	IP55			
	Operating temperature	-25~50°C			
	Storage temperature	-30~70°C			
	Humidity	0~ 95% (non-condensing)			
	Elevation Up to	2000m			
	Cooling	Forced-air cooling			
	Connection to the power supply	Permanent			
	Indoor/outdoor installation	Indoor/Outdoor			
Other information	Fixed or detachable installation	Fixed			
	Electric shock protection protection measures	Class1			
	Measuring accuracy	RCBO,MCB,SPD			
	Electrical protection included	MID certified (Level 0.5)			
	Network Interface	Ethernet(WIFI, 3g/4gLTE as optional)			
	HMI	7-inch touchable screen			
	Emergency stop button	Supported			
	Supported languages	English, Spanish,Italian, and French others on request			
	LED status	Green, Red, Blue			
	OCPP protocol	1.6 J-son			
	Standard	IEC61851-1, IEC61851-21-2, IEC61851-23, IEC61851-24			
	Certificate	CE			