

# 2DC + 1AC Combination Charger Technical Parameters

## Objectives

- ❖ Ideal choice and commercial EV charging.
- ❖ RFID card reader, APP based for user identification Security Protocols and management
- ❖ Input:380Vac~440Vac
- ❖ Output: - 2\*30kW@150A + 22kW@32A
- ❖ Stylish, ergonomic and customizable design
- ❖ Firmware OCPPv1.6 updates through remote connection up to 2.0J
- ❖ Charging interface: Input plug CCS-2 female connector.
- ❖ User-friendly LCD Touch display for customer interface.
- ❖ Wired connectivity, Easy to install, operate and service.
- ❖ Safety Measures-Emergency stop button with 18 various type protection
- ❖ Robust IK10/ IP55 ingress protection for indoor/outdoor applications

## Applications

- ❖ Highway Fuel Outlets/service station
- ❖ Parking garage/back office
- ❖ Mall, shopping complex, university
- ❖ Commercial fleet operators
- ❖ EV infrastructure operators and service providers
- ❖ EV dealer workshop

## Model List

Function	Type- 1	Type- 2	Type- 3	Type- 4
	BASIC	LAN	Wi-Fi	4G
RFID	X	✓	✓	✓
LAN	X	✓	✓	✓
Wi-Fi	X	X	✓	X
4G	X	X	X	✓
OCPP	X	✓	✓	✓



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SL. No.	Parametrs	Requirments
<b>General Information</b>		
1.	EV Charger Type	2DC+1AC
2.	Charger Capacity	2*30Kw DC + 22kW AC
3.	Product Model No.	HSEF- (30)2+22(ADC)3(82ADC)1000S
4.	Mounting	Floor-Mounting
<b>Input Requirement</b>		
5.	AC Supply System	Three-Phase,5 Wire AC System
6.	Nominal Input Voltage	AC380V±15%
7.	Input Frequency	50-60Hz
<b>Environmental</b>		
8.	Ambient Temperature Range	-25 to 55°C
9.	Ambient Humidity	5 to 95%
10.	Storage Temperature	-40 to 70°C
<b>Mechanical</b>		
11.	IP Rating	IK10/IP55
12.	Cooling	Air Forced Cooled
<b>Output Capacity</b>		
13.	Number of Output	2DC + 1AC
14.	Max. Power Output from each Gun	CCS-2:- Max. 30kW 200v-1000v DC and 150Amp CHAdeMO:- Max 30kW 200v-1000v DC and 150Amp Type-2 :- 380~440V AC 32A/63A
15.	Max. Output Current	200Amp
.	Power Factor	≥0.99(50% load above)
16.	<b>User Interface &amp; Display</b>	
17.	Display and Touch Screen Size	7 inches Touches Screen With Shell
18.	User Authentication	Mobile Application or user interface/ QR Code / RFID Card/ Password Login
19.	Metering Information	Consumption Units(kWh)
<b>Communication</b>		
20.	Communication Between EVSE and CMS	OCPP v 1.6 or above- 10/100 Base - T Ethernet (standard)/ Optional GSM Modem (2G/3G/4G) or Wireless
21.	Communication Between Charger & Vehicle	CAN Based Communication as per AIS 138
<b>Protection &amp; Safety</b>		
22.	Executive Standard	IEC 62196 2017, IEC 61851 2017, SAE J1772, CHAdeMO etc.
23.	Safety Parameters	Over Current, Under Voltage , Residual Current , Surge Protection, Leakage Protection , Short Circuit, Over Temperature, etc