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# 120kW DC Charger CCS-2
# Technical Parameters

## Objectives

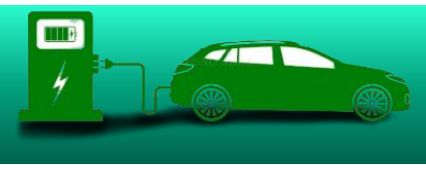
- Ideal choice and commercial EV charging.
- RFID card reader, APP based for user identification /Security Protocols and management
- Input:380Vac~440Vac
- Output: - 120kW@300A
- Stylish, ergonomic and customizable design
- Firmware OCPPv1.6 updates through remote connection up to OCPPv2.0J
- Charging 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 | • | • | • |



| SL. No. | Parametrs | Requirments |
|---|---|---|
| | **General Information** | |
| **1.** | EV Charger Type | DC |
| **2.** | Charger Capacity | 120kW |
| **3.** | Product Model No. | HSEF-120K(D)2(DC120)1000S |
| **4.** | Mounting | Floor-Mounting |
| | **Input Requirement** | |
| **5.** | AC Supply System | Three-Phase,5 Wire AC System |
| **6.** | Nominal Input Voltage | AC380V±15% |
| **7.** | Input Frequency | 50-60Hz |
| | **Environmental** | |
| **8.** | Ambient Temperature Range | -25 to 55℃ |
| **9.** | Ambient Humidity | 5 to 95% |
| **10.** | Storage Temperature | -40 to 70℃ |
| | **Mechnical** | |
| **11.** | IP Rating | IK10/IP55 |
| **12.** | Cooling | Air Forced Cooled |
| | **Output Capacity** | |
| **13.** | Number of Output | 2 |
| **14.** | Max. Output Voltage | DC200-1000V |
| **15.** | Max. Output Current | 300Amp |
| **16.** | Power Factor | ≥0.99(50% load above) |
| | **User Interface & Display** | |
| **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) |
| | **Communication** | |
| **20.** | Communication Between EVSE and Central Server | 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 |
| | **Protection & Safety** | |
| **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 |

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# 180kW DC Charger CCS-2
# Technical Parameters

## Objectives

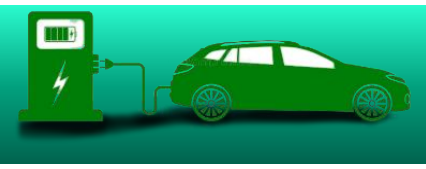
- Ideal choice and commercial EV charging.
- RFID card reader, APP based for user identification /Security Protocols and management
- Input:380Vac~440Vac,
- Output: - 180kW@350A
- Stylish, ergonomic and customizable design
- Firmware OCPPv1.6 updates through remote connection up to OCPPv2.0J
- Charging 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 | • | • | • |



| SL. No. | Parametrs | Requirments |
|---|---|---|
| | **General Information** | |
| **1.** | EV Charger Type | DC |
| **2.** | Charger Capacity | 180kW |
| **3.** | Product Model No. | HSEF-180K(D)2(DC180)1000S |
| **4.** | Mounting | Floor-Mounting |
| | **Input Requirement** | |
| **5.** | AC Supply System | Three-Phase,5 Wire AC System |
| **6.** | Nominal Input Voltage | AC380V±15% |
| **7.** | Input Frequency | 50-60Hz |
| | **Environmental** | |
| **8.** | Ambient Temperature Range | -25 to 55℃ |
| **9.** | Ambient Humidity | 5 to 95% |
| **10.** | Storage Temperature | -40 to 70℃ |
| | **Mechnical** | |
| **11.** | IP Rating | IK10/IP55 |
| **12.** | Cooling | Air Forced Cooled |
| | **Output Capacity** | |
| **13.** | Number of Output | 2 |
| **14.** | Max. Output Voltage | DC200-1000V |
| **15.** | Max. Output Current | 350Amp |
| **16.** | Power Factor | ≥0.99(50% load above) |
| | **User Interface & Display** | |
| **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) |
| | **Communication** | |
| **20.** | Communication Between EVSE and Central Server | 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 |
| | **Protection & Safety** | |
| **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 |

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# 240kW DC Charger CCS-2
# Technical Parameters

## Objectives

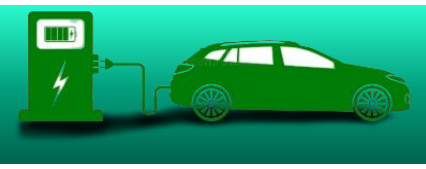
- Ideal choice and commercial EV charging.
- RFID card reader, APP based for user identification /Security Protocols and management
- Input:380Vac~440Vac
- Output: - 240kW@400A
- Stylish, ergonomic and customizable design
- Firmware OCPPv1.6 updates through remote connection up toOCPPv2.0J
- Charging 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 | • | • | • |



| SL. No. | Parametrs | Requirments |
|---|---|---|
| | **General Information** | |
| **1.** | EV Charger Type | DC |
| **2.** | Charger Capacity | 240kW |
| **3.** | Product Model No. | HSEF-240K(D)2(DC240)1000S |
| **4.** | Mounting | Floor-Mounting |
| | **Input Requirement** | |
| **5.** | AC Supply System | Three-Phase,5 Wire AC System |
| **6.** | Nominal Input Voltage | AC380V±15% |
| **7.** | Input Frequency | 50-60Hz |
| | **Environmental** | |
| **8.** | Ambient Temperature Range | -25 to 55℃ |
| **9.** | Ambient Humidity | 5 to 95% |
| **10.** | Storage Temperature | -40 to 70℃ |
| | **Mechnical** | |
| **11.** | IP Rating | IK10/IP55 |
| **12.** | Cooling | Air Forced Cooled |
| | **Output Capacity** | |
| **13.** | Number of Output | 2 |
| **14.** | Max. Output Voltage | DC200-1000V |
| **15.** | Max. Output Current | 400Amp |
| **16.** | Power Factor | ≥0.99(50% load above) |
| | **User Interface & Display** | |
| **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) |
| | **Communication** | |
| **20.** | Communication Between EVSE and Central Server | 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 |
| | **Protection & Safety** | |
| **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 |

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# 360kW DC Charger CCS-2
# Technical Parameters

## Objectives

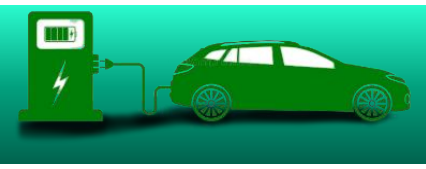
- Ideal choice and commercial EV charging.
- RFID card reader, APP based for user identification /Security Protocols and management
- Input:380Vac~440Vac
- Output: - 360kW@450A
- Stylish, ergonomic and customizable design
- Firmware OCPPv1.6 updates through remote connection up to OCPPv2.0J
- Charging 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 | • | • | • |



| SL. No. | Parametrs | Requirments |
|---|---|---|
| | **General Information** | |
| **1.** | EV Charger Type | DC |
| **2.** | Charger Capacity | 360kW |
| **3.** | Product Model No. | HSEF-360K(D)2(DC360)1000S |
| **4.** | Mounting | Floor-Mounting |
| | **Input Requirement** | |
| **5.** | AC Supply System | Three-Phase,5 Wire AC System |
| **6.** | Nominal Input Voltage | AC380V±15% |
| **7.** | Input Frequency | 50-60Hz |
| | **Environmental** | |
| **8.** | Ambient Temperature Range | -25 to 55℃ |
| **9.** | Ambient Humidity | 5 to 95% |
| **10.** | Storage Temperature | -40 to 70℃ |
| | **Mechnical** | |
| **11.** | IP Rating | IK10/IP55 |
| **12.** | Cooling | Air Forced Cooled |
| | **Output Capacity** | |
| **13.** | Number of Output | 2 |
| **14.** | Max. Output Voltage | DC200-1000V |
| **15.** | Max. Output Current | 450Amp |
| **16.** | Power Factor | ≥0.99(50% load above) |
| | **User Interface & Display** | |
| **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) |
| | **Communication** | |
| **20.** | Communication Between EVSE and Central Server | 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 |
| | **Protection & Safety** | |
| **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 |