DHI-ICS-D0060E-I4B

DC Charging Station



Series Overview

DC Charging Station is designed to meet the highest standards of performance and convenience. Seamlessly integrating advanced technology, it offers a variety of user-friendly activation methods such as swiping a card, scanning a QR code, scheduling a charge, or using Plug and Play. It also supports both 4G and Ethernet connectivity and is compatible with OCPP 1.6J. This station ensures unparalleled flexibility and compatibility for modern charging networks.

Functions

Intelligent Human-Computer Interaction

Includes a 10.1-inch high-brightness touch screen with a brightness level of 800 nits, which enhances human-computer interaction for an exceptional user experience. Additionally, you can customize the UI to better suit your preferences.

Wide Voltage Range

The output voltage ranges from 200–1,000 VDC, perfectly accommodating the charging requirements for 800 V systems.

Intelligent Power Allocation

Dynamically adjusts the output power to provide the optimal charging solution based on your vehicle's Battery Management System (BMS) requirements to enhance charging efficiency. Moreover, the charger can allocate power to support multiple vehicles simultaneously when both charging connectors are used.

Intelligent Indicator

Offers multiple indicator color, allowing you to distinguish the device status with ease.

- Functions on a three-phase 400 V supply, ensuring efficient charging. It also connects to the Internet through 4G, LAN and Wi-Fi.
- Charging initiation is convenient, with options to swipe the IC card, scan the QR code, enter a VIN code, or utilize Plug and Play functionality. It is also designed to be highly convenient, as it offers a secure and effortless charging experience through its intelligent and straightforward human-machine interaction features and protection functions.
- Made from automotive-grade composite metal and coated with a high-corrosion-resistant finish, the charger is built to withstand challenging environments. It has an IP55 rating and IK10 rating, with the screen area rated at IK08, making it highly suitable for both indoor and outdoor installations.
- With its elegant and modern design, this device seamlessly combines technology with aesthetics. It fully adheres to network security standards and offers smart power distribution, intelligent noise reduction, and OTA updates.

Auto Adjustment of Output Power

In extreme environments, the device intelligently adjusts its output power based on factors such as environment temperature, fan operations, and required power. This increases the efficiency and effectiveness of charging sessions even in the most challenging conditions.

Auto Noise Reduction

The fan automatically adjusts its noise output based on the environment temperature and the working temperature of its modules.

Intelligent Operation and Maintenance

Offers protection against 10 different types of risks and features error alarms, OTA update, remote control and restart capabilities for enhanced reliability and convenience.

Scene

Widely applicable to a variety of locations such as bus stations, public fast charging stations, industrial parks, enterprises, institutions, commercial complexes, as well as vehicle manufacturers.

DC Charging Station | DHI-ICS-D0060E-I4B

Technical Specification

Electrical

Rated Input Voltage	400 VAC
Max. Output Power	60 kW
Maximum Charging Current for Single Connector	200 A
Output Voltage Range	200–1,000 VDC
Constant Power Range	300–1,000 VDC
Max. Charging Current	200 A
Harmonic Wave	≤ 5%
Power Factor	0.99 (Full load)
Efficiency	96.8%, the highest efficiency during a full load
Standby Power Consumption	≤ 50 W
Output Voltage Error	≤ ±0.5%
Output Current Error	≤ ±1%
Stabilized Voltage Accuracy	≤ ±0.5%
Stabilized Current Accuracy	≤ ±1%
Ripple Peak Value	≤ ±1%
Average Current Imbalance	≤ 3%

Basic

Charging Mode	Mode 4
Charging Port	2 × CCS2
Communication Protocol (with Backend)	OCPP1.6J
Measurement Accuracy	Level 1 (Class B)
Types of Protection	Protects against input overvoltage, undervoltage, short circuit, input overload, output overvoltage and overtemperature. It also detects insulation issues.
Cooling Method	Intelligent air cooling

Function

Display Screen Dimensions	10.1-inch
Startup Method	Scan a QR code, enter a VIN code, swipe the IC card, utilize Plug and Play or enter the password.
Network Connection Method	LAN, 4G, Wi-Fi
Bluetooth	Yes
Status Indicator Light	Blue: Charging Yellow: Device updating Green: Standby Red: Fault

Structure

Accessory	Includes an adjustable cable retractor and digital signage.
Product Dimensions	940 mm × 842 mm × 2,146 mm (37.01" × 33.15" × 84.49") (W × D × H)
Packaging Dimensions	1,223 mm × 1,223 mm × 2,396 mm (48.15" × 48.15" × 94.33") (W × D × H)
Net Weight	350 kg (771.62 lb)
Gross Weight	460 kg (1014.13 lb)
Cable Length	5 m (16.40 ft). This length includes the length of the connector.

Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F) Performance might be derated of temperatures exceed 50°C.
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Altitude	≤2,000 m (6561.68 ft)
Protection	IP55
Vandal-proof Rating	The EV Charger is IK10, and its screen is IK08.
Working Noise	≤ 65 dB

External Port

Power Supply System Type	3P + N + PE

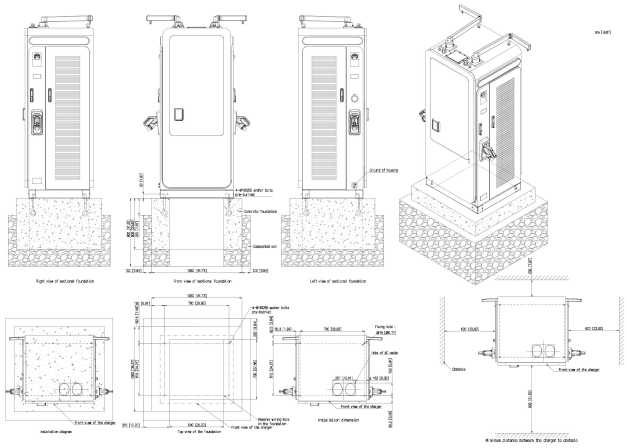
Certification

Certifications	IEC 61851-1; IEC 61851-23; IEC 61851-21-2

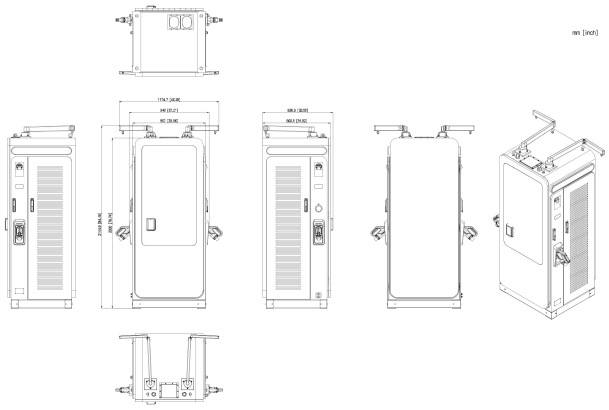
Ordering Information

Type	Model	Description
DC Charging Station	DHI-ICS-D0060E-I4B	DC Charging Station

Installation



Dimensions (mm[inch])



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DHI-ICS-D0080E-I4B

DC Charging Station



Series Overview

DC Charging Station is designed to meet the highest standards of performance and convenience. Seamlessly integrating advanced technology, it offers a variety of user-friendly activation methods such as swiping a card, scanning a QR code, scheduling a charge, or using Plug and Play. It also supports both 4G and Ethernet connectivity and is compatible with OCPP 1.6J. This station ensures unparalleled flexibility and compatibility for modern charging networks.

Functions

Intelligent Human-Computer Interaction

Includes a 10.1-inch high-brightness touch screen with a brightness level of 800 nits, which enhances human-computer interaction for an exceptional user experience. Additionally, you can customize the UI to better suit your preferences.

Wide Voltage Range

The output voltage ranges from 200–1,000 VDC, perfectly accommodating the charging requirements for 800 V systems.

Intelligent Power Allocation

Dynamically adjusts the output power to provide the optimal charging solution based on your vehicle's Battery Management System (BMS) requirements to enhance charging efficiency. Moreover, the charger can allocate power to support multiple vehicles simultaneously when both charging connectors are used.

Intelligent Indicator

Offers multiple indicator color, allowing you to distinguish the device status with ease.

- Functions on a three-phase 400 V supply, ensuring efficient charging. It also connects to the Internet through 4G, LAN and Wi-Fi.
- Charging initiation is convenient, with options to swipe the IC card, scan the QR code, enter a VIN code, or utilize Plug and Play functionality. It is also designed to be highly convenient, as it offers a secure and effortless charging experience through its intelligent and straightforward human-machine interaction features and protection functions.
- Made from automotive-grade composite metal and coated with a high-corrosion-resistant finish, the charger is built to withstand challenging environments. It has an IP55 rating and IK10 rating, with the screen area rated at IK08, making it highly suitable for both indoor and outdoor installations.
- With its elegant and modern design, this device seamlessly combines technology with aesthetics. It fully adheres to network security standards and offers smart power distribution, intelligent noise reduction, and OTA updates.

Auto Adjustment of Output Power

In extreme environments, the device intelligently adjusts its output power based on factors such as environment temperature, fan operations, and required power. This increases the efficiency and effectiveness of charging sessions even in the most challenging conditions.

Auto Noise Reduction

The fan automatically adjusts its noise output based on the environment temperature and the working temperature of its modules.

Intelligent Operation and Maintenance

Offers protection against 10 different types of risks and features error alarms, OTA update, remote control and restart capabilities for enhanced reliability and convenience.

Scene

Widely applicable to a variety of locations such as bus stations, public fast charging stations, industrial parks, enterprises, institutions, commercial complexes, as well as vehicle manufacturers.

Technical Specification

Electrical

Rated Input Voltage	400 VAC
Max. Output Power	80 kW
Maximum Charging Current for Single Connector	200 A
Output Voltage Range	200–1,000 VDC
Constant Power Range	300–1,000 VDC
Max. Charging Current	267 A
Harmonic Wave	≤ 5%
Power Factor	0.99 (Full load)
Efficiency	96.8%, the highest efficiency during a full load
Standby Power Consumption	≤ 50 W
Output Voltage Error	≤ ±0.5%
Output Current Error	≤ ±1%
Stabilized Voltage Accuracy	≤ ±0.5%
Stabilized Current Accuracy	≤ ±1%
Ripple Peak Value	≤ ±1%
Average Current Imbalance	≤ 3%

Basic

Charging Mode	Mode 4
Charging Port	2 × CCS2
Communication Protocol (with Backend)	OCPP1.6J
Measurement Accuracy	Level 1 (Class B)
Types of Protection	Protects against input overvoltage, undervoltage, short circuit, input overload, output overvoltage and overtemperature. It also detects insulation issues.
Cooling Method	Intelligent air cooling

Function

Display Screen Dimensions	10.1-inch
Startup Method	Scan a QR code, enter a VIN code, swipe the IC card, utilize Plug and Play or enter the password.
Network Connection Method	LAN, 4G, Wi-Fi
Bluetooth	Yes
Status Indicator Light	Blue: Charging Yellow: Device updating Green: Standby Red: Fault

Structure

Accessory	Includes an adjustable cable retractor and digital signage.
Product Dimensions	940 mm × 842 mm × 2,146 mm (37.01" × 33.15" × 84.49") (W × D × H)
Packaging Dimensions	1,223 mm × 1,223 mm × 2,396 mm (48.15" × 48.15" × 94.33") (W × D × H)
Net Weight	350 kg (771.62 lb)
Gross Weight	460 kg (1014.13 lb)
Cable Length	5 m (16.40 ft). This length includes the length of the connector.

Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F) Performance might be derated of temperatures exceed 50°C.
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Altitude	≤2,000 m (6561.68 ft)
Protection	IP55
Vandal-proof Rating	The EV Charger is IK10, and its screen is IK08.
Working Noise	≤ 65 dB

External Port

Power Supply System Type	3P + N + PE

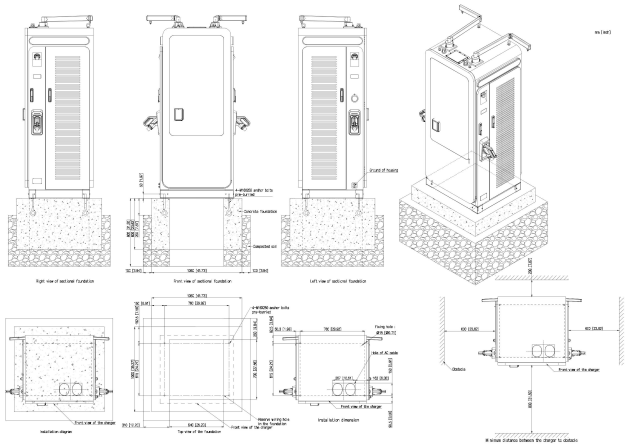
Certification

Certifications	IEC 61851-1; IEC 61851-23; IEC 61851-21-2

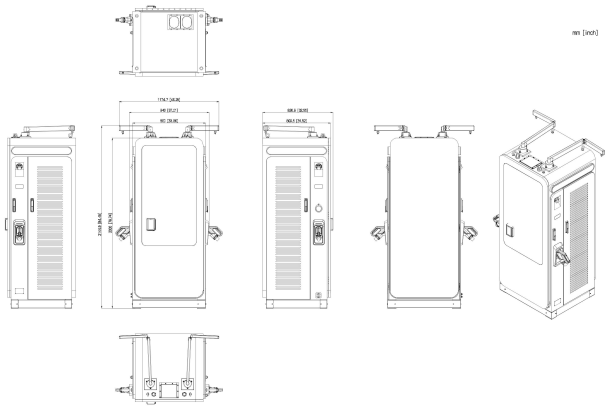
Ordering Information

Type	Model	Description
DC Charging Station	DHI-ICS-D0080E-I4B	DC Charging Station

Installation



Dimensions (mm[inch])



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DHI-ICS-D0120E-I4B

DC Charging Station



Series Overview

DC Charging Station is designed to meet the highest standards of performance and convenience. Seamlessly integrating advanced technology, it offers a variety of user-friendly activation methods such as swiping a card, scanning a QR code, scheduling a charge, or using Plug and Play. It also supports both 4G and Ethernet connectivity and is compatible with OCPP 1.6J. This station ensures unparalleled flexibility and compatibility for modern charging networks.

Functions

Intelligent Human-Computer Interaction

Includes a 10.1-inch high-brightness touch screen with a brightness level of 800 nits, which enhances human-computer interaction for an exceptional user experience. Additionally, you can customize the UI to better suit your preferences.

Wide Voltage Range

The output voltage ranges from 200–1,000 VDC, perfectly accommodating the charging requirements for 800 V systems.

Intelligent Power Allocation

Dynamically adjusts the output power to provide the optimal charging solution based on your vehicle's Battery Management System (BMS) requirements to enhance charging efficiency. Moreover, the charger can allocate power to support multiple vehicles simultaneously when both charging connectors are used.

Intelligent Indicator

Offers multiple indicator color, allowing you to distinguish the device status with ease.

- Functions on a three-phase 400 V supply, ensuring efficient charging. It also connects to the Internet through 4G, LAN and Wi-Fi.
- Charging initiation is convenient, with options to swipe the IC card, scan the QR code, enter a VIN code, or utilize Plug and Play functionality. It is also designed to be highly convenient, as it offers a secure and effortless charging experience through its intelligent and straightforward human-machine interaction features and protection functions.
- Made from automotive-grade composite metal and coated with a high-corrosion-resistant finish, the charger is built to withstand challenging environments. It has an IP55 rating and IK10 rating, with the screen area rated at IK08, making it highly suitable for both indoor and outdoor installations.
- With its elegant and modern design, this device seamlessly combines technology with aesthetics. It fully adheres to network security standards and offers smart power distribution, intelligent noise reduction, and OTA updates.

Auto Adjustment of Output Power

In extreme environments, the device intelligently adjusts its output power based on factors such as environment temperature, fan operations, and required power. This increases the efficiency and effectiveness of charging sessions even in the most challenging conditions.

Auto Noise Reduction

The fan automatically adjusts its noise output based on the environment temperature and the working temperature of its modules.

Intelligent Operation and Maintenance

Offers protection against 10 different types of risks and features error alarms, OTA update, remote control and restart capabilities for enhanced reliability and convenience.

Scene

Widely applicable to a variety of locations such as bus stations, public fast charging stations, industrial parks, enterprises, institutions, commercial complexes, as well as vehicle manufacturers.

DC Charging Station | DHI-ICS-D0120E-I4B

Technical Specification

Electrical

Rated Input Voltage	400 VAC
Max. Output Power	120 kW
Maximum Charging Current for Single Connector	250 A
Output Voltage Range	200–1,000 VDC
Constant Power Range	300–1,000 VDC
Max. Charging Current	400 A
Harmonic Wave	≤ 5%
Power Factor	0.99 (Full load)
Efficiency	96.8%, the highest efficiency during a full load
Standby Power Consumption	≤ 50 W
Output Voltage Error	≤ ±0.5%
Output Current Error	≤ ±1%
Stabilized Voltage Accuracy	≤ ±0.5%
Stabilized Current Accuracy	≤ ±1%
Ripple Peak Value	≤ ±1%
Average Current Imbalance	≤ 3%

Basic

Charging Mode	Mode 4
Charging Port	2 × CCS2
Communication Protocol (with Backend)	OCPP1.6J
Measurement Accuracy	Level 1 (Class B)
Types of Protection	Protects against input overvoltage, undervoltage, short circuit, input overload, output overvoltage and overtemperature. It also detects insulation issues.
Cooling Method	Intelligent air cooling

Function

Display Screen Dimensions	10.1-inch
Startup Method	Scan a QR code, enter a VIN code, swipe the IC card, utilize Plug and Play or enter the password.
Network Connection Method	LAN, 4G, Wi-Fi
Bluetooth	Yes
Status Indicator Light	Blue: Charging Yellow: Device updating Green: Standby Red: Fault

Structure

Accessory	Includes an adjustable cable retractor and digital signage.
Product Dimensions	940 mm × 842 mm × 2,146 mm (37.01" × 33.15" × 84.49") (W × D × H)
Packaging Dimensions	1,223 mm × 1,223 mm × 2,396 mm (48.15" × 48.15" × 94.33") (W × D × H)
Net Weight	374 kg (824.53 lb)
Gross Weight	484 kg (1067.04 lb)
Cable Length	5 m (16.40 ft). This length includes the length of the connector.

Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F) Performance might be derated of temperatures exceed 50°C.
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Altitude	≤2,000 m (6561.68 ft)
Protection	IP55
Vandal-proof Rating	The EV Charger is IK10, and its screen is IK08.
Working Noise	≤ 65 dB

External Port

Power Supply System Type	3P + N + PE

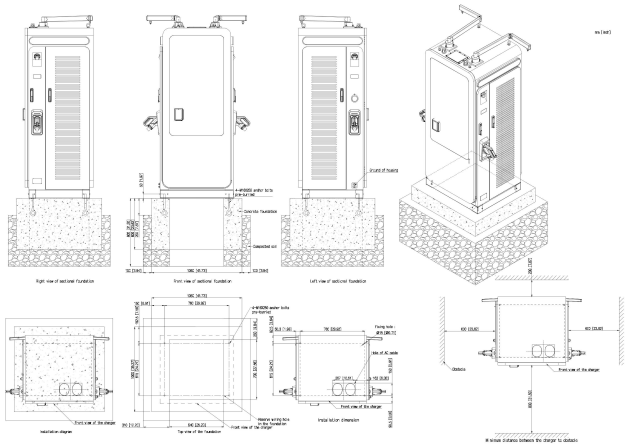
Certification

Certifications	IEC 61851-1; IEC 61851-23; IEC 61851-21-2

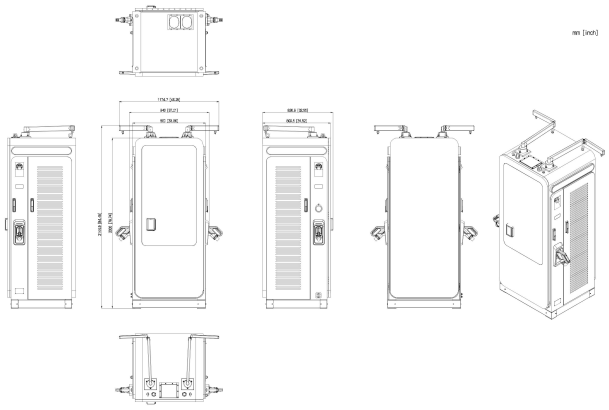
Ordering Information

Type	Model	Description
DC Charging Station	DHI-ICS-D0120E-I4B	DC Charging Station

Installation



Dimensions (mm[inch])



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DHI-ICS-D0160E-I4B

DC Charging Station



Series Overview

DC Charging Station is designed to meet the highest standards of performance and convenience. Seamlessly integrating advanced technology, it offers a variety of user-friendly activation methods such as swiping a card, scanning a QR code, scheduling a charge, or using Plug and Play. It also supports both 4G and Ethernet connectivity and is compatible with OCPP 1.6J. This station ensures unparalleled flexibility and compatibility for modern charging networks.

Functions

Intelligent Human-Computer Interaction

Includes a 10.1-inch high-brightness touch screen with a brightness level of 800 nits, which enhances human-computer interaction for an exceptional user experience. Additionally, you can customize the UI to better suit your preferences.

Wide Voltage Range

The output voltage ranges from 200–1,000 VDC, perfectly accommodating the charging requirements for 800 V systems.

Intelligent Power Allocation

Dynamically adjusts the output power to provide the optimal charging solution based on your vehicle's Battery Management System (BMS) requirements to enhance charging efficiency. Moreover, the charger can allocate power to support multiple vehicles simultaneously when both charging connectors are used.

Intelligent Indicator

Offers multiple indicator color, allowing you to distinguish the device status with ease.

- Functions on a three-phase 400 V supply, ensuring efficient charging. It also connects to the Internet through 4G, LAN and Wi-Fi.
- Charging initiation is convenient, with options to swipe the IC card, scan the QR code, enter a VIN code, or utilize Plug and Play functionality. It is also designed to be highly convenient, as it offers a secure and effortless charging experience through its intelligent and straightforward human-machine interaction features and protection functions.
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- With its elegant and modern design, this device seamlessly combines technology with aesthetics. It fully adheres to network security standards and offers smart power distribution, intelligent noise reduction, and OTA updates.

Auto Adjustment of Output Power

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Auto Noise Reduction

The fan automatically adjusts its noise output based on the environment temperature and the working temperature of its modules.

Intelligent Operation and Maintenance

Offers protection against 10 different types of risks and features error alarms, OTA update, remote control and restart capabilities for enhanced reliability and convenience.

Scene

Widely applicable to a variety of locations such as bus stations, public fast charging stations, industrial parks, enterprises, institutions, commercial complexes, as well as vehicle manufacturers.

DC Charging Station | DHI-ICS-D0160E-I4B

Technical Specification

Electrical

Rated Input Voltage	400 VAC
Max. Output Power	160 kW
Maximum Charging Current for Single Connector	250 A
Output Voltage Range	200–1,000 VDC
Constant Power Range	300–1,000 VDC
Max. Charging Current	500 A
Harmonic Wave	≤ 5%
Power Factor	0.99 (Full load)
Efficiency	96.8%, the highest efficiency during a full load
Standby Power Consumption	≤ 50 W
Output Voltage Error	≤ ±0.5%
Output Current Error	≤ ±1%
Stabilized Voltage Accuracy	≤ ±0.5%
Stabilized Current Accuracy	≤ ±1%
Ripple Peak Value	≤ ±1%
Average Current Imbalance	≤ 3%

Basic

Charging Mode	Mode 4
Charging Port	2 × CCS2
Communication Protocol (with Backend)	OCPP1.6J
Measurement Accuracy	Level 1 (Class B)
Types of Protection	Protects against input overvoltage, undervoltage, short circuit, input overload, output overvoltage and overtemperature. It also detects insulation issues.
Cooling Method	Intelligent air cooling

Function

Display Screen Dimensions	10.1-inch
Startup Method	Scan a QR code, enter a VIN code, swipe the IC card, utilize Plug and Play or enter the password.
Network Connection Method	LAN, 4G, Wi-Fi
Bluetooth	Yes
Status Indicator Light	Blue: Charging Yellow: Device updating Green: Standby Red: Fault

Structure

Accessory	Includes an adjustable cable retractor and digital signage.
Product Dimensions	940 mm × 842 mm × 2,146 mm (37.01" × 33.15" × 84.49") (W × D × H)
Packaging Dimensions	1,223 mm × 1,223 mm × 2,396 mm (48.15" × 48.15" × 94.33") (W × D × H)
Net Weight	218 kg (480.62 lb)
Gross Weight	242 kg (533.53 lb)
Cable Length	5 m (16.40 ft). This length includes the length of the connector.

Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F) Performance might be derated of temperatures exceed 50°C.
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Altitude	≤2,000 m (6561.68 ft)
Protection	IP55
Vandal-proof Rating	The EV Charger is IK10, and its screen is IK08.
Working Noise	≤ 65 dB

External Port

Power Supply System Type	3P + N + PE

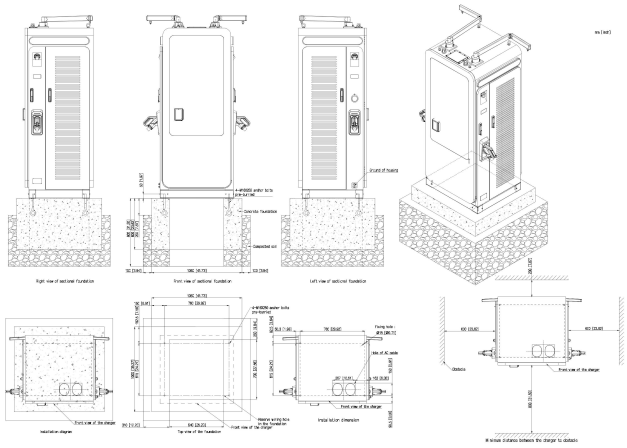
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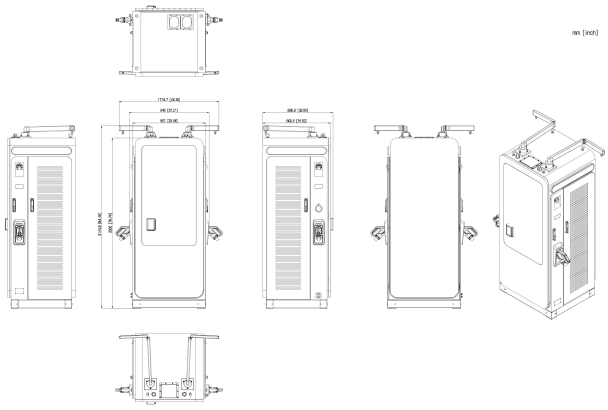
Ordering Information

Type	Model	Description
DC Charging Station	DHI-ICS-D0160E-I4B	DC Charging Station

Installation



Dimensions (mm[inch])



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DHI-ICS-D0240E-I4B

DC Charging Station



Series Overview

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Intelligent Human-Computer Interaction

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Scene

Widely applicable to a variety of locations such as bus stations, public fast charging stations, industrial parks, enterprises, institutions, commercial complexes, as well as vehicle manufacturers.

DC Charging Station | DHI-ICS-D0240E-I4B

Technical Specification

Electrical

Rated Input Voltage	400 VAC
Max. Output Power	240 kW
Maximum Charging Current for Single Connector	300 A
Output Voltage Range	200–1,000 VDC
Constant Power Range	300–1,000 VDC
Max. Charging Current	600 A
Harmonic Wave	≤ 5%
Power Factor	0.99 (Full load)
Efficiency	96.8%, the highest efficiency during a full load
Standby Power Consumption	≤ 50 W
Output Voltage Error	≤ ±0.5%
Output Current Error	≤ ±1%
Stabilized Voltage Accuracy	≤ ±0.5%
Stabilized Current Accuracy	≤ ±1%
Ripple Peak Value	≤ ±1%
Average Current Imbalance	≤ 3%

Basic

Charging Mode	Mode 4
Charging Port	2 × CCS2
Communication Protocol (with Backend)	OCPP1.6J
Measurement Accuracy	Level 1 (Class B)
Types of Protection	Protects against input overvoltage, undervoltage, short circuit, input overload, output overvoltage and overtemperature. It also detects insulation issues.
Cooling Method	Intelligent air cooling

Function

Display Screen Dimensions	10.1-inch
Startup Method	Scan a QR code, enter a VIN code, swipe the IC card, utilize Plug and Play or enter the password.
Network Connection Method	LAN, 4G, Wi-Fi
Bluetooth	Yes
Status Indicator Light	Blue: Charging Yellow: Device updating Green: Standby Red: Fault

Structure

Accessory	Includes an adjustable cable retractor and digital signage.
Product Dimensions	940 mm × 842 mm × 2,146 mm (37.01" × 33.15" × 84.49") (W × D × H)
Packaging Dimensions	1,223 mm × 1,223 mm × 2,396 mm (48.15" × 48.15" × 94.33") (W × D × H)
Net Weight	392 kg (864.21 lb)
Gross Weight	502 kg (1106.72 lb)
Cable Length	5 m (16.40 ft). This length includes the length of the connector.

Environment

Operating Temperature	–30 °C to +55 °C (–22 °F to +131 °F) Performance might be derated of temperatures exceed 50°C.
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Altitude	≤2,000 m (6561.68 ft)
Protection	IP55
Vandal-proof Rating	The EV Charger is IK10, and its screen is IK08.
Working Noise	≤ 65 dB

External Port

Power Supply System Type	3P + N + PE

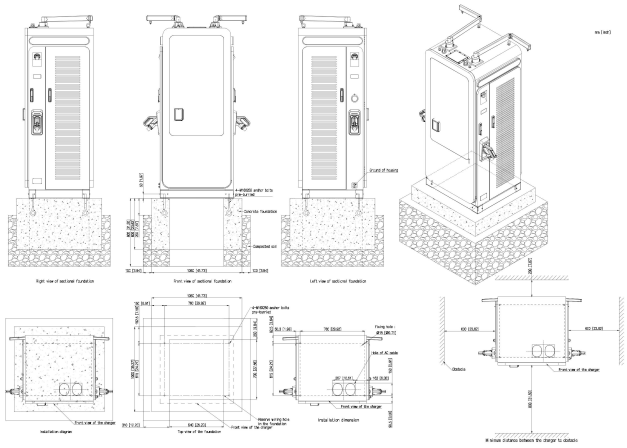
Certification

Certifications	IEC 61851-1; IEC 61851-23; IEC 61851-21-2

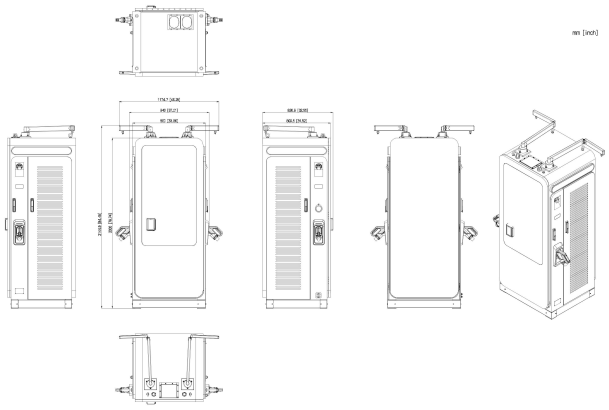
Ordering Information

Type	Model	Description
DC Charging Station	DHI-ICS-D0240E-I4B	DC Charging Station

Installation



Dimensions (mm[inch])



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