



ChargePoint Home Flex

Specifications and Ordering Information

April 2025



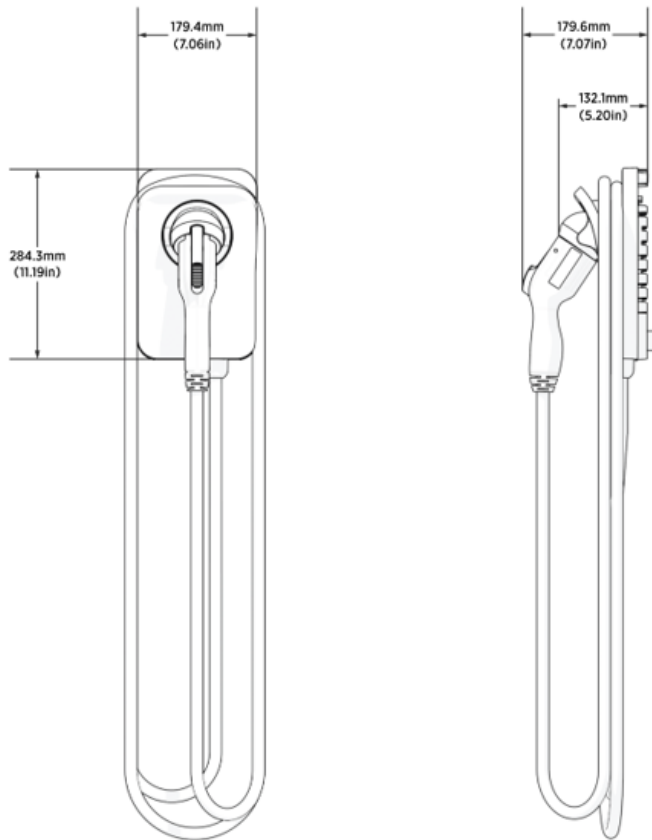
Ordering Information

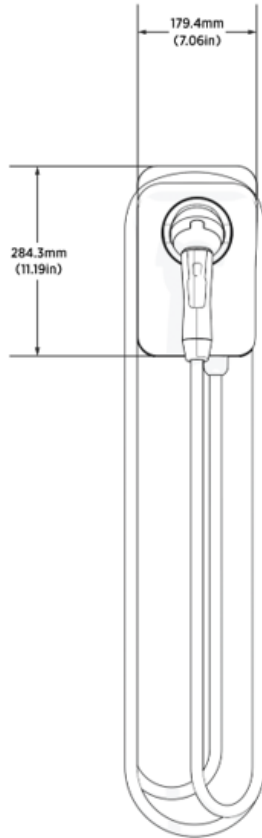
The order codes below represent specific product configurations. Other product options are available. Please contact ChargePoint Sales for information and order codes.

Hardware

Description		Order Code
Station and Cable Model	CPH50, NA, AC Station, 1 x J1772, 50A, 1 Phase, 23 ft Cable, Wall Mount, Wi-Fi/BT, UL, 3 YR Parts Warranty, NEMA 6-50	CPH50-NEMA6-50-L23-K
	CPH50, NA, AC Station, 1 x J1772, 50A, 1 Phase, 23 ft Cable, Wall Mount, Wi-Fi/BT, UL, 3 YR Parts Warranty, NEMA 14-50	CPH50-NEMA14-50-L23-K
	CPH50, NA, AC Station, 1 x J1772, 50A, 1 Phase, 23 ft Cable, Wall Mount, Wi-Fi/BT, UL, 3 YR Parts Warranty, Hardwire	CPH50-HARDWIRE-L23-K
	CPH50, NA, AC Station, 1 x NACS, 50A, 1 Phase, 23 ft Cable, Wall Mount, Wi-Fi/BT, UL, 3 YR Parts Warranty, NEMA 6-50	CPH50-NEMA6-50-L23-NACS-K
	CPH50, NA, AC Station, 1 x NACS, 50A, 1 Phase, 23 ft Cable, Wall Mount, Wi-Fi/BT, UL, 3 YR Parts Warranty, NEMA 14-50	CPH50-NEMA14-50-L23-NACS-K
	CPH50, NA, AC Station, 1 x NACS, 50A, 1 Phase, 23 ft Cable, Wall Mount, Wi-Fi/BT, UL, 3 YR Parts Warranty, Hardwire	CPH50-HARDWIRE-L23-NACS-K
Replacement Cable	J1772 23 ft Replacement Charging Cable	CPX50Cable-T1-50A-L23-F
NACS Conversion Kit	NACS Self Install Conversion Kit for CPH50. 23 ft 50A NACS Charging Cable for CPH50 and NACS holster ball insert.	CPHCABLE-50A-L23-NACS-KIT

Architectural Drawings (Dimensions)





General Specifications

Connector and Electrical

Input Cord	NEMA 6-50, NEMA 14-50, or Hardwire
AC Power Output Rating	Maximum 12 kW (240V AC * 50A). Output amperage adjustable via mobile app to 16A, 24A, 32A, 40A, 48A, 50A. Note: NEMA models are limited to an output amperage of 32A or 40A.
AC Power Input Rating	208/240V AC 60 Hz single phase @ 16A, 24A, 32A, 40A, 48A, 50A. Note: NEMA models are limited to an input rating of 32A or 40A.
Required Service Panel Breaker	Dedicated Dual Pole rated for 125% of maximum load (ex: 50A breaker for 40A output) Note: NEMA models are limited to a breaker rating of 40A or 50A.
Service Panel GFCI	External GFCI may conflict with internal GFCI (CCID). For hardwired installations, use a non-GFCI circuit breaker.
Power Wiring	3 Wire – L1, L2 plus Earth (no neutral)
Charging Cable Length	23 ft (7010.4 mm)
Connector Type	SAE J1772TM, SAE J3400 (NACS)
Power Measurement Accuracy	+/- 2.0% from 2% to full scale
Power Report/Store Interval	15 minutes aligned to hour

Safety and Connectivity Features

Ground Fault Detection	20 mA CCID with auto retry
Open Safety Ground Detection	Continuously monitors presence of safety (green wire) ground connection
Plug-Out Detection	Power terminated per SAE J1772 specifications
Local Area Network	2.4/5 GHz WiFi (802.11 a/b/g/n)
Device Storage	Local data storage with capacity of up to 90 days of charging session data (100 sessions) in case of interrupted network connection
Software Updates	Firmware updated over-the-air (OTA)
Charge Port Open Function (NACS only)	Button on charge cable handle will open NACS charge port door.

Safety and Operational Ratings

Station Enclosure Rating	Type 3R per UL 50E
Safety and Compliance	UL and cUL listed; complies with UL2594, UL2231-1, UL2231-2. NEC article 625 compliant. For Canada CSA C22.2, No. 280, 281.1, 281.2, CEC
EMC Compliance	FCC Part 15 Class B
Storage Temperature	-40°C to 60°C (-40°F to 140°F) ambient
Operating Temperature	-30°C to 50°C (-22°F to 122°F) ambient
Operating Humidity	Up to 95% at 50°C (122°F) non-condensing
Non-Operating Humidity	Up to 95% at 50°C (122°F) non-condensing
ENERGY STAR® Certification	Yes

Indicators

WiFi LED	Yes
Fault Indicator per UL	Yes
Status LED	Yes

Installation

Install Software	Mobile App (iOS & Android)
Outdoor Installation	Hardwired installation or weatherproof NEMA receptacle Note: Required by code to install an outdoor rated GFCI breaker upstream for outdoor plug-in installation
Weight	6.3 kg (13.8 lb)

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