-chargepoin+.

ChargePoint[®] Express Plus with Power Link 2000

A flexible DC fast charging platform that grows with you.





Express Plus Specifications

Express Plus Power Module

| Express Plus Power Module Output | |
|----------------------------------|-------------------|
| Max Output Power | 40 kW |
| Max Output Current | 100 A |
| Power Conversion Efficiency | Up to 96% |
| Power Factor | 0.99 at full load |

| Express Plus Power Module Specification | |
|---|------------------------------------|
| Power Module Dimensions | See diagrams below |
| Power Module Weight | 45 kg (98.5 lb) |
| Power Module Cooling | Liquid-Cooled Technology |
| Harmonics | iTHD < 5% (Complies with IEEE 519) |

Express Plus Power Block

| Express Plus Power Block Input | |
|--------------------------------|---|
| Input Rating | 3-phase, 400-480Y VAC, 310-260 A 50/60 Hz (200 kW) |
| | Optional: 3-phase, 400-480Y VAC, 255-210 A 50/60 Hz (160 kW) |
| Wiring | L1, L2, L3, Earth |
| Short Circuit Current Rating | 65 kA |

| Express Plus Power Block Output | |
|---------------------------------|------------------|
| Max Output Power | 200 kW |
| | Optional: 160 kW |
| Output Voltage, Charging | 100 to 1000 VDC |
| Max Current per Output | 350 A, 500 A |

ChargePoint, Inc. reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

| Number of Stations Served | One Power Block can serve up to 2 Power Link stations. Additional Power Blocks can be added to serve more stations or increase power output. |
|--------------------------------------|--|
| Max Power Modules per Power Block | 5 |

| Express Plus Power Block Specifications | |
|---|--|
| Power Block Dimensions | See diagrams below |
| Power Block Weight | 455 kg (1000 lb) without Power Modules |
| Power Block Enclosure Rating | Type 3R, IP56, IK10 |

Express Plus Power Link 2000

| Express Plus Power Link Output | |
|--|--|
| Max Output Power per Connector | Up to 1.2 MW, dependent on cable amperage and Power Block configuration |
| | Megawatt Charging System (MCS) |
| Quitaut Valtage Charging | Phase 1: 100 to 1000 VDC |
| Output Voltage, Charging | Phase 2: up to 1250 VDC |
| | Other Connector types: 100 to 1000 VDC |
| CCS1 Max Output Current | 500 A with liquid cooled cable |
| CCS2 Max Output Current | 500 A with liquid cooled cable |
| North American Charging Standard (NACS) Max Output Current | 500 A with Omni Port |
| CHAdeMO Max Output Current | 200 A |
| MCS Max Output Current | Phase 1: 1200 A with liquid cooled cable Phase 2: 3000 A with liquid cooled cable |

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| Express Plus Power Link Specifications | |
|--|---|
| Station Dimensions | See diagrams below |
| Station Footprint | See diagrams below |
| Station Weight | Approximately 209 kg (459 lb). Refer to Site Design Guide for more details. |
| Number of Connectors | Up to 2 connectors per station |
| Supported Connector Types | CHAdeMO, CCS1 (SAE J1772 [™] Combo), CCS2 (IEC 61851-23), SAE J3271 Megawatt Charging System for Electric Vehicles, NACS (Omni Port) |
| Cable Length | Non-MCS: Standard 5.8 m (19 ft) with Cable Management Kit (CMK)* MCS: 4.5m (14.7 ft) with cable management |
| Station Enclosure Rating | Type 3R, IP56, IK10 (Except credit card chip reader) |
| Mounting Type | Ground |

*Horizontal reach to typical vehicle charging port is 3.76 m (12 ft 4 in) with standard cable

Express Plus Specifications

| Functional Interfaces | |
|-----------------------|--|
| Indicators | Multicolor Status LEDs |
| LCD Display | Option 1: Full color 203 mm (8 in) interactive display with full motion video, UV protection and multi-language support |
| | Option 2: Full color 381 mm (15 in) interactive display with full motion video, UV protection and multi-language support |
| Authentication | RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR) |
| | Virtual RFID NFC (Tap to Charge) |
| | Contactless credit card |
| | Virtual contactless credit card Apple Pay & Google Pay |
| | EMV chip credit card (available on -CHIP models only) |
| | Remote: Mobile App and in vehicle dash (If supported by vehicle) ISO 15118-2, Plug&Charge |

| Connectivity Features | |
|--------------------------------------|---|
| Local Area Network | 2.4 GHz and 5 GHz WiFi (802.11 b/g/n) |
| Wide Area Network | 4G LTE |
| Supported Communication Protocols | OCPP 2.0.1 |
| Service and Maintenance | Remote system monitoring, diagnostic, and proactive maintenance |

| Safety Ratings & Protocol | |
|---------------------------|--|
| Vehicle Communication | CHAdeMO: JEVS G104 over CAN |
| | CCS1/2: ISO 15118-2, ISO 15118-3, DIN 70121 SAE J1772, IEC61851-23 |
| | MCS: SAE J3271 |
| Plug-Out Detection | Power terminated per JEVS G104 (CHAdeMO), SAE J2931 (CCS1) and IEC 61851-23 (CCS2) |
| Compliance | cUL and UL listed. Complies with UL 2202, UL 2231-1, UL 2231-2 |
| | CE and UKCA marked. Complies with IEC 61851-1 and IEC 61851-23 |
| | CTEP, Energy Star |
| | MCS: UL pending |
| Surge Protection | Tested to IEC 61000-4-5, Level 5 (6 kV @ 3,000 A) |
| EMC Compliance | North America: FCC part 15 Class B |
| | Europe: EN55011, EN55022, and IEC61000-6-3 Class B |

| Generic Specifications | |
|------------------------|---|
| Operational Altitude | < 3,000 m (9,800 ft) |
| Operating Temperature | -40°C to 50°C (-40°F to 122°F) with derating |
| Storage Temperature | -40°C to 70°C (-40°F to 158°F) |
| Operating Humidity | Up to 95% at 50°C (122°F) non-condensing |
| Metering | Eichrecht (In progress) |
| Buy America | Buy America (FTA & FHWA) options available upon request |
| Standard Warranty | Limited 2-Year Parts Warranty |

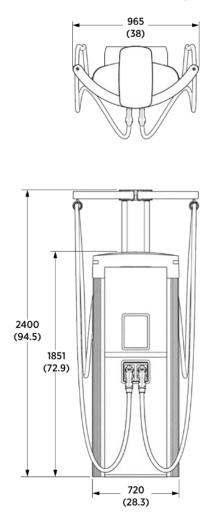
| Energy Management Features | |
|----------------------------|---|
| Dynamic Power Management | Allows a fixed maximum power output per station or lets the system dynamically manage the power distribution per port |
| Remote Energy Management | Manage output power via the ChargePoint Admin Portal, API, and Open ADR 2.0b VEN |

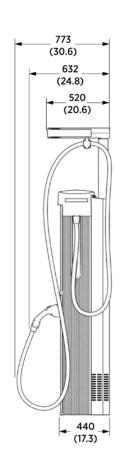
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Architectural Drawings

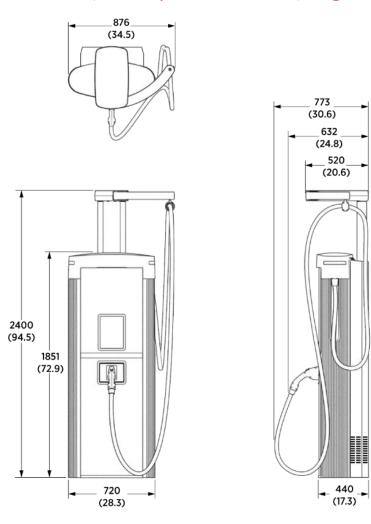
Note: Images are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).

Express Plus Power Link 2000, with liquid-cooled cable, dual connectors

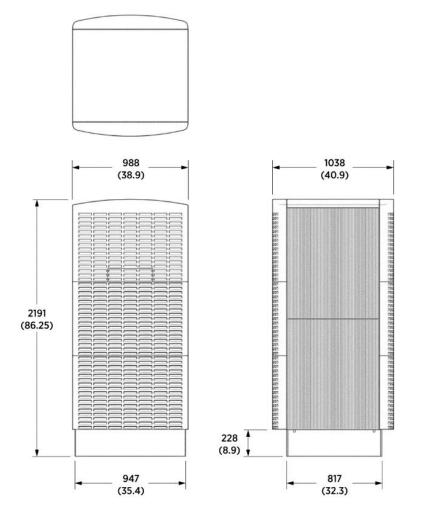




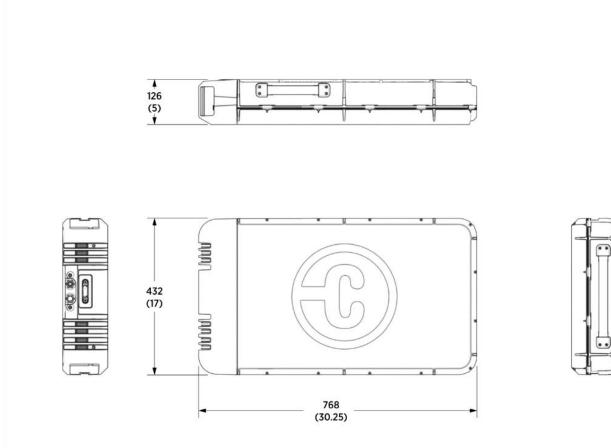
Express Plus Power Link 2000, with liquid-cooled cable, single connector



Express Plus Power Block



Express Plus Power Module



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