

INITIUM 30kW

DC LEVEL THREE FAST CHARGER



PRODUCT OVERVIEW & KEY FEATURES

Made in Canada

Initium 30kW Level Three chargers offer a best-in-class 100A output ensures max power delivery*

** Between 150 and 200km/hr charging speed for medium size SUV and passenger EVs*

Our chargers are rated for a full system operating range of -50 °C to +50 °C (-58F to 122F), ensuring reliable operation in any climate.

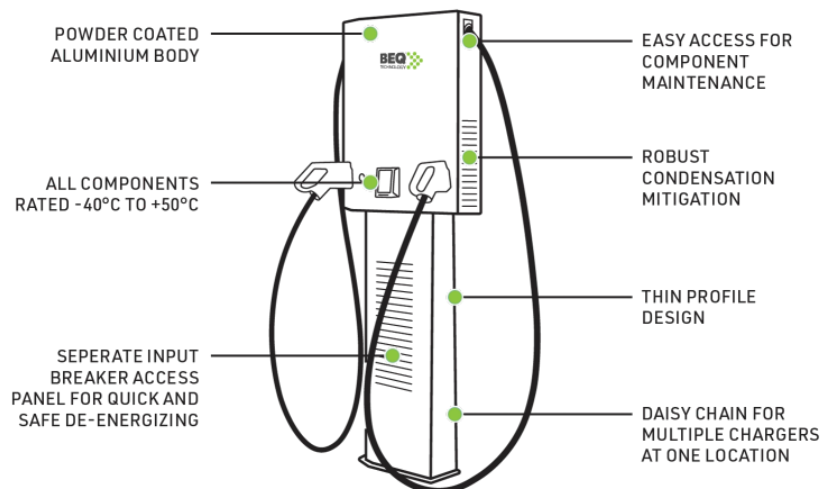
Ideal for public/shared charging amenities or in fleet charging scenarios.

- Offline/networked versions available for fleet and charge point operators.
- Standard dual cable design can be customized with any combination of CCS1 and NACS (TESLA).
- Standard 3-year warranty (from the commissioning date) on all components, including cables. Up to 10 years of extended warranty available.



Key Design Features

1. Physical payment terminal (Tap/Insert/Swipe/NFC) allows for reliable app-free operation and access control.
2. Thin-profile design allows for ease of installation in sidewalks and against external walls of buildings
3. Powder-coated aluminum body construction prevents corrosion and ensures long lifespan.
4. Condensation mitigation technology ensures inside the cabinet stays dry year-round.
5. Special air intake design ensures seamless operation under heavy/continuous rain.
6. Built-in daisy chaining terminal block allowing up to 4 units installed using one main breaker.
7. Input breaker in pedestal ensures quick de-energizing for safe maintenance without interrupting other daisy chained chargers.
8. All components are readily accessible and easily serviced (Front lid pivots up and self latches for inspection).



Information security guaranteed: Your data is securely hosted on our servers located in Canada (Toronto).

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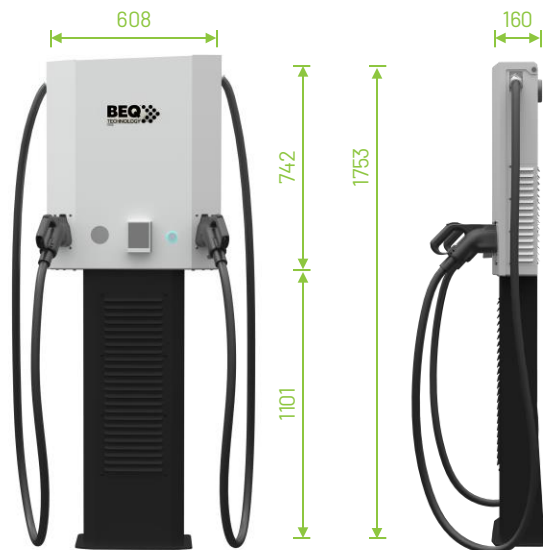
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DIMENSIONS, GENERAL SPECIFICATIONS, OPTIONS & PART NUMBERS

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Dimensions



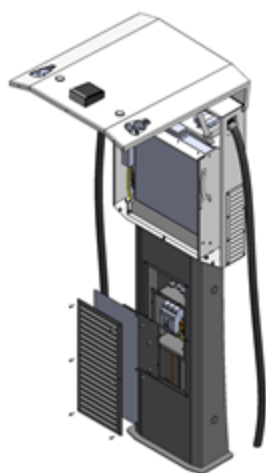
All dimensions are in millimetres.

GENERAL SPECIFICATIONS

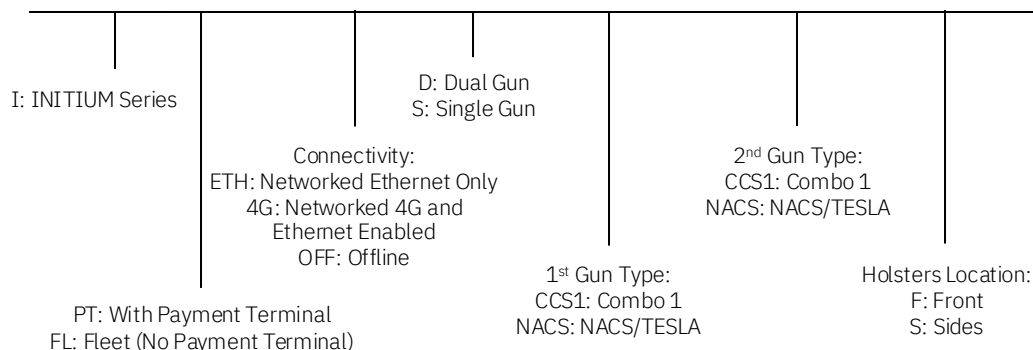
OUTPUT CURRENT	100A
OUTPUT POWER	30KW, 150-1000V dc
MAX CONNECTIONS	TWOGUNS PER UNIT
3Φ AC INPUT (3P+PE)	340V TO 528V
FREQUENCY	50HZ/60HZ
POWER FACTOR	>0.99
EFFICIENCY	>95% @ FULL LOAD
STANDARD WARRANTY	THREE YEARS
OCPP VERSION	1.6J AND 2.0.1



Options & Part Numbers



I - PT - ETH - D - CCS1 - NACS - F



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DETAILED SPECIFICATIONS

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AC INPUT
Voltage Range: 340V-528V 3Φ (3P+PE)
Rated Voltages: 380V-400V-415V-440V-480V 3Φ (3P+PE)
Max. Input Current 54A, 70A Breaker Included In Pedestal
Frequency 50Hz/60Hz
Power Factor Greater Than 0.99
Full Load Efficiency > 95%

DC OUTPUT
Output Voltage Range CCS: 150~1000Vdc NACS: 150~1000Vdc
Max. Output Current CCS: 100A NACS: 100A
Connector Options (Based on Customer Specs): 2 CCS/2 NACS/1 CCS and 1 NACS
Voltage Accuracy ±0.5%
Current Accuracy ±1%

USER INTERFACE AND CONTROL
Stop Button With RGB Indicators
PCI Compliant Payment Terminal (Tap/Insert/Swipe/NFC)
User Authentication RFID: Supports ISO14443A/B
OCPP 1.6J and 2.0.1 (Networked Version)

COMMUNICATION
External: Ethernet and 4G
Internal: CAN bus/ Ethernet/ RS485/ RS232

ENVIRONMENTAL
Rated Temperature Range -50°C to +49°C (-58F to 120F), Power Derating Starts at +52 °C/126F Operating Temperature Range -50°C to +70°C (-58F to 158F)
Humidity 5%~95% RH, Non-Condensing
Altitude ≤ 2000m
Aluminum Type 3R Rainproof Enclosure
Air-Cooled System

PROTECTION
Input Protection: SPD, OCP, OVP, OTP, OPP
Output Protection: IMD, OCP, OVP, OTP, SCP

REGULATION
Compliance UL 2202, UL 2231-1, UL2231-2, UL50E, CSA C22.2 No 107.1/CSA C22.2 No 281.1-12/CSA C22.2 No 281.2-12, cCSAus
Charging Interface ISO15118 (CCS1/NACS)