

# INITIUM 40kW

## DC LEVEL THREE FAST CHARGER



### PRODUCT OVERVIEW & KEY FEATURES

Made in Canada

Initium 40kW Level Three chargers offer a best-in-class 135A output ensures max power delivery.\*

*\* Between 200 and 275km/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.

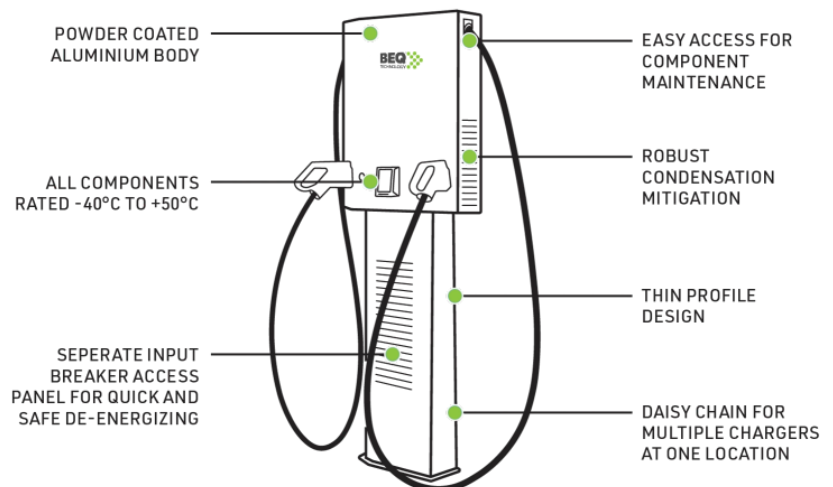
### Ideal for public/shared charging amenities or in fleet charging scenarios.

- 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).
- Sequential charging doubles the value for fleet applications.
- 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. SiC rectifiers provide class leading  $\geq 97.5\%$  full load efficiency.
2. Physical payment terminal (Tap/Insert/Swipe/NFC) allows for reliable app-free operation and access control.
3. Thin-profile design allows for ease of installation in sidewalks and against external walls of buildings.
4. Powder-coated aluminum body construction prevents corrosion and ensures long lifespan.
5. Condensation mitigation technology ensures inside the cabinet stays dry year-round.
6. Special air intake design ensures seamless operation under heavy/continuous rain.
7. Built-in daisy chaining terminal block allowing up to 4 units installed using one main breaker.
8. Input breaker in pedestal ensures quick de-energizing for safe maintenance without interrupting other daisy chained chargers.
9. All components are readily accessible and easily serviced (Front lid pivots up and self latches for inspection).



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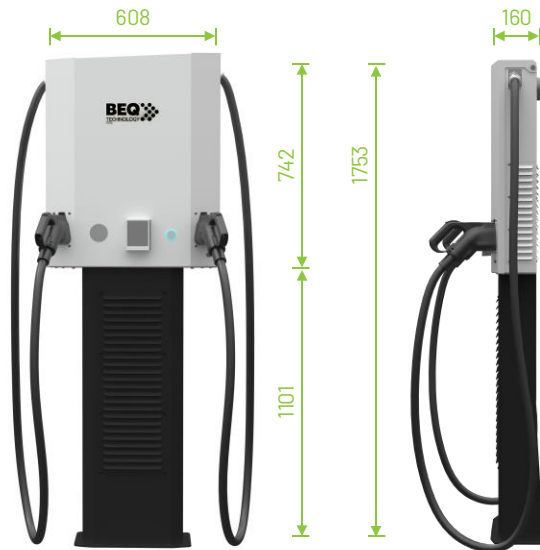
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DIMENSIONS, GENERAL SPECIFICATIONS, OPTIONS & PART NUMBERS

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## Dimensions

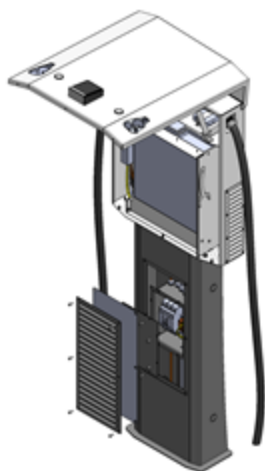


All dimensions are in millimetres.

GENERAL SPECIFICATIONS	
OUTPUT CURRENT	135A
OUTPUT POWER	40KW, 150-1000V dc
MAX CONNECTIONS	TWO CHARGING GUNS PER UNIT
3Φ AC INPUT (3P+PE)	340V TO 528V
FREQUENCY	50HZ/60HZ
POWER FACTOR	>0.99
EFFICIENCY	>97.5% @ FULL LOAD
STANDARD WARRANTY	THREE YEARS
OCPP VERSION	1.6J AND 2.0.1



## Options & Part Numbers



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

I: INITIUM Series

D: Dual Gun  
S: Single Gun

Connectivity:  
ETH: Networked Ethernet Only  
4G: Networked 4G and Ethernet Enabled  
OFF: Offline

2<sup>nd</sup> Gun Type:  
CCS1: Combo 1  
NACS: NACS/TESLA

PT: With Payment Terminal  
FL: Fleet (No Payment Terminal)

1<sup>st</sup> Gun Type:  
CCS1: Combo 1  
NACS: NACS/TESLA

Holsters Location:  
F: Front  
S: Sides

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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 62A, 80A Breaker Included In Pedestal
Frequency 50Hz/60Hz
Power Factor Greater Than 0.99
Full Load Efficiency > 97.5%

DC OUTPUT
Output Voltage Range CCS: 150~1000Vdc NACS: 150~1000Vdc
Max. Output Current CCS: 135A NACS: 135A
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 +50°C (-58F to 122F), 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)