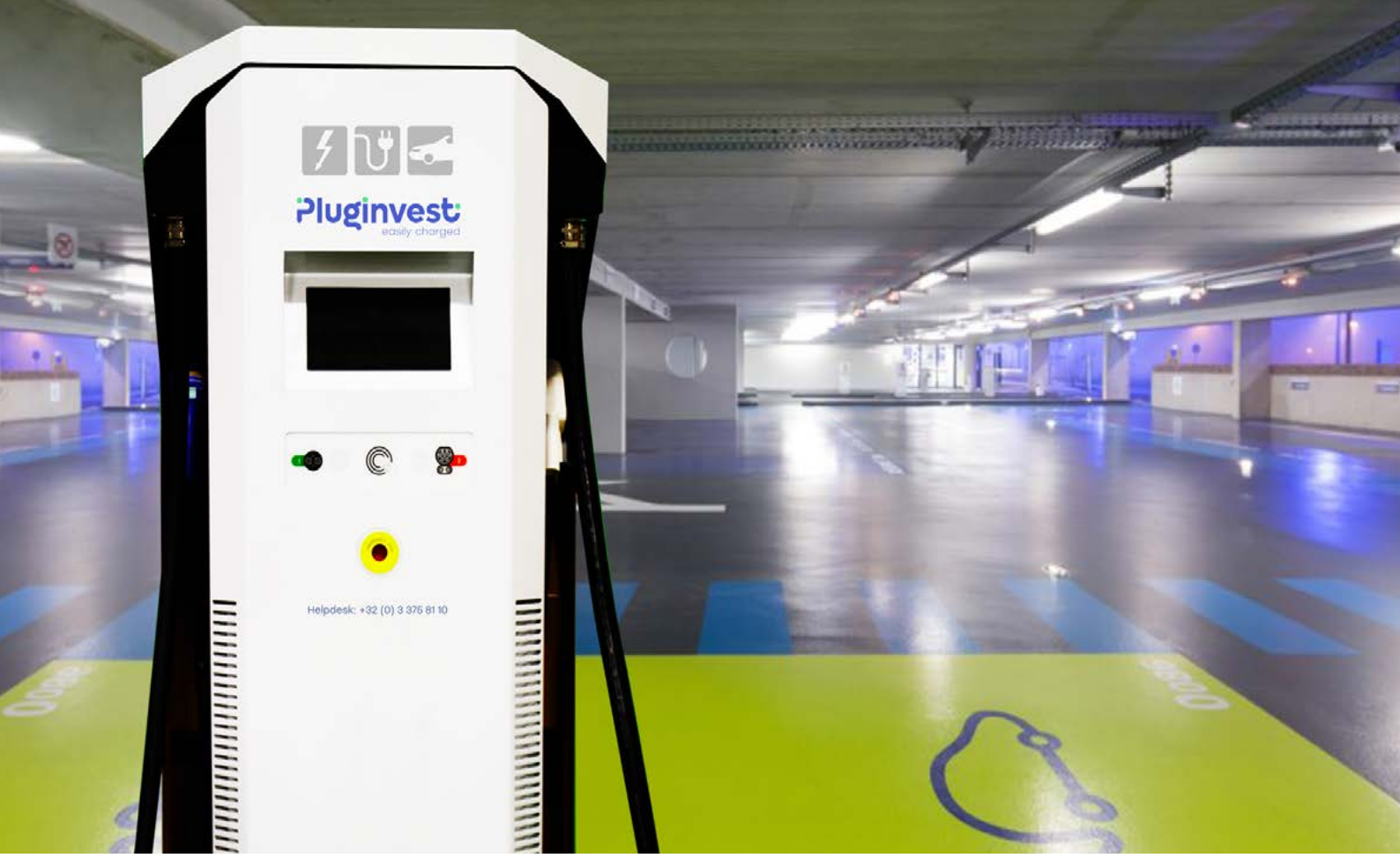
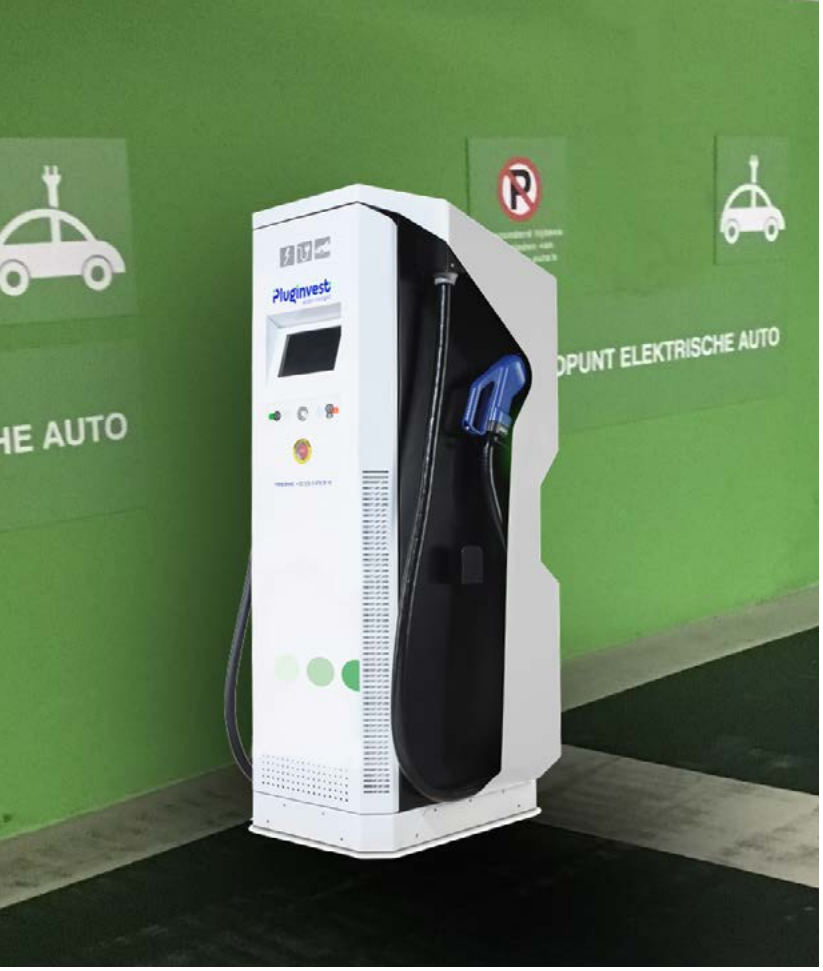


DC120
Fast-charger

The DC 120 can be used for every electric vehicle with a CHAdeMO or CCS connector. The fast-charger has a DC power output of maximum 120kW @ CCS or 60 kW @CHAdeMO. The actual load capacity depends on the available power, maximum 180 ampere (adjustable from 10A up to 180A). The charging station is designed to charge vehicles who are equipped with a mode 4 charging system with plug system in accordance with a CHAdeMO connector and a CCS2 connector.

The charging station, together with the vehicle and installation, will make the best choice for quick and safe charging. The entire charging station complies with guideline 2014/35/EU on the harmonization of laws relating to electrical equipment within certain voltage limits (recast of all previous versions).

Pluginvest



Easily charged.

A very high-performance fast charger with fast charge times and easy usability.

General

Number of charging points: 2 (CCS and CHAdeMo)
Durable and representative design
DC cable length: 3 meters
Dimensions (HxBxD): 1802mm x 730 mm x 750mm
Weight: 465 kg

Designed to integrate

Network connection: Ethernet/GPRS-UMTS (3G)
Operation by means of a charging card
Remote service via GSM/GPRS communication
Case: IP54 / IK10

DC output

Nominal connection rating: 3 x 180A
Maximum output power: 1 - 120 kW @CCS or 1 - 60 kW @CHAdeMO
Output voltage range: 150~500V

Optional

Available in all RAL colours
Sticker with personal logo

Safety and quality

Fuse holders / earth leakage protection
12 Volt control voltage
Strain relief
IP54 waterproof class
Anti-corrosion and powder coating
Electronic- en safety protection
Warranty 1 year— renewable up to 5 years
Ideal for public placement

Technical sheet

AC Input

Input voltage: 3 x 400VAC + N ± 10%
Input frequency: 50Hz
Power factor: Nominal load output PF ≥ 0.99
Connected load: 3 x 180A (For lower available power, the charger can be set lower by software)
Earth leakage protection: Type B
Input under voltage protection: 255V ±5V
Input overvoltage protection: 490V ±5V
Input power reduction: 260V±5V<Vin<304V±5V, Linear power decreasing from 100% to 50%

DC Output

Output power: 1 - 120 kW @CCS of 1 - 60 kW @ CHAdeMO
Constant power range: CCS 120KW@400-500V CHAdeMO 60KW@400-500V (300 -1000vdc on request)
Output voltage range: 150~500V (200-1000vdc on request)
output current range: CCS: 0~250A (500A peak) , CHAdeMO: 0~130A
Output overvoltage protection: 510±5V
Output undervoltage alarm: 140V±2V
Voltage stabilised accuracy: ≤±0.5%
Max. start exceeding: ≤±1%
Current stabilised accuracy: ≤±1%
Start time: 3s ≤ t ≤ 8s
Efficiency: >96%

Work environment

Temperature: -30°C ~ 70°C, reduction from 55°C
Overheat protection: At a temperature of >70°C±4°C or <-40°C±4°C, the charging station will automatically switch itself off.
Room temperature: -25° tot 60°
Charging temperature: - 40°C ~ 85°C
Humidity: ≤ 95% RH, without condensation
Pressure / height: 79kPa~106kPa/2000m

Physical aspects

Acoustic noise: < 51dB
Cooling: Air-cooling ventilators
Dimensions (HxBxD): 1802 mm x 730 mm x 750 mm
European norms: EN 61851-1 2011, EN 6185123-2014, CE
Case material: Steel >3 mm
Treatment: Anti-corrosion en powder coating
Standar colour: RAL 6018 / RAL 9016 / RAL 9005
Weight: 465 kg
Number of charging points: 2 (Combination of CCS and CHADEMO)
Cable lenght: 3 meters
MTBF: > 500000 hours (40°C)
DC plug: Mode 4 (IEC-61851-23/24) Combo-2 (DIN 10121)
Protection of housing from external influencers: > IK10 according to IEC 62262
Loadbalancer: Charging rate is adjusted based on available amount of energy at a given time within the grid connection.

Operation

Start-Stop: RFID-card
Network interface: Ethernet (standard) / GPRS-UMTS (3G)
Push button: emergency stop button
Positioning : GPS
10" Display: extra information

Pluginvest