

Polyfazer Vision 120

Model PV120 · CCS2 & CCS2

120 kW



Powerful DC fast charger with dynamic power sharing.

Standalone all-in-one station of the Polyfazer Vision range with 120 kW output and two CCS2 connectors. Dynamic power balancing between the connectors enables efficient simultaneous charging of two vehicles, and if a single power module fails the station keeps operating at reduced power. A 10.1" colour touch screen, RFID/PIN authentication and an optional payment terminal keep operation simple.



Finish: **Graphite Blue**  
also available in Ice White

120 kW

TOTAL POWER

200 A

MAX. CURRENT /
CONNECTOR

150–1000 V

OUTPUT VOLTAGE

2 × CCS2

CONNECTORS

KEY PARAMETERS

Outlets	2 × DC CCS2, 5.0 m cable
Vehicles at once	Up to 2 · dynamic power balancing
Power input	3P + N + PE · AC 400 V ± 10 % · 184 A · 50/60 Hz
Cooling	Forced air
Display	10.1" colour touch screen (HMI)
Authentication	RFID (IEC 14443 A/B, NFC) · on-screen PIN · optional payment terminal, Autocharge, Plug&Charge (Q4/2026)
Payment	Optional integrated Nexgo UN20 terminal with the Polyfazer app
Protocols	OCPP 1.6J · OCPP 2.0 (Q4/2026) · Local · Modbus
Protection / enclosure	IP55 · IK10 (HMI IK08) · stainless steel enclosure · indoor/outdoor

SUITABLE FOR

Transport hubs · busy corridors · corporate fleets · public car parks

Dynamic power sharing

The station automatically splits power between both connectors according to vehicle demand. If one module fails, charging continues at reduced power.

Ready for the Polyfazer platform

OCPP 1.6J and 2.0, remote monitoring, billing, roaming and OTA updates in one ecosystem covering hardware and software.

Rugged design for outdoor use

Stainless steel enclosure with anti-corrosion coating, IP55 rating, IK10 impact resistance and operation from -30 °C to +50 °C.

Polyfazer Vision 120

Model PV120 · CCS2 & CCS2 · Specification version V1.4

POWER INPUT

Phases / lines	3P + N + PE
Voltage	AC 400 V ± 10 %
Current	184 A
Frequency	50 / 60 Hz

POWER OUTPUT

Voltage	DC 150–1000 V
Max. current / connector	200 A
Max. power / connector	120 kW
Total power	120 kW
Charging mode	Simultaneous (both connectors at once)

DESIGN AND CONSTRUCTION

Installation	Floor-standing
Charging connectors	2 × DC CCS2
Cable length	5.0 m (per connector)
Simultaneous charging	Yes
Power sharing	Dynamic power balancing between connectors · charging continues at reduced power if a single power module fails
LED indicator	Yes
HMI	10.1" colour touch screen
Authentication	RFID (IEC 14443 A/B, NFC) · on-screen PIN · optional: payment terminal, Autocharge, Plug&Charge (Q4/2026), other customisation
Energy meter	MID
Efficiency	> 96 %
Power factor	> 0.99 (50–100 % load)
Harmonics	iTHD < 5 %
RCD	Type A, 30 mA
Exterior material	Stainless steel with anti-corrosion coating

COMMUNICATION

Charger / EV	PLC (DIN 70121:2014-12 / ISO 15118)
Power control	Local · OCPP · Modbus
Communication interface	Ethernet · GSM (3G, 4G, LTE) · WiFi (2.4 GHz, 5 GHz)
Communication protocol	OCPP 1.6J · OCPP 2.0 (Q4/2026)
Updates	OTA, OCPP-based updates supported

PAYMENTS

Payment solution	Optional: integrated Nexgo UN20 terminal with the Polyfazer payment app
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OPERATING CONDITIONS

Operating temperature	–30 °C to +50 °C
Operating humidity	5–95 % RH, non-condensing
Operating altitude	< 2000 m
Protection grade	IP55
IK rating	IK10 (HMI: IK08)
Application site	Indoor / outdoor
Cooling method	Forced air cooling
Noise	≤ 60 dB (at ambient temperature)

SAFETY PROTECTION

Multiple protection	Over / under voltage protection Over current protection Overload protection Short circuit protection Leakage protection Over temperature protection Grounding protection Integrated surge protection
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PACKAGING

Net weight (without modules)	≤ 320 kg
Gross weight (with modules)	≤ 400 kg
External packing	Wooden crate

STANDARDS AND CERTIFICATION

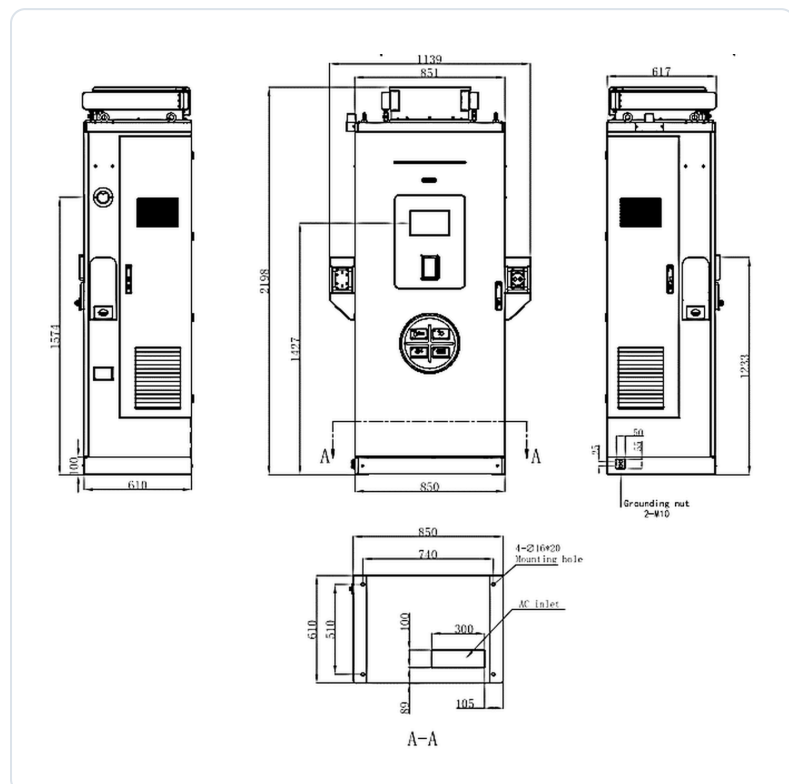
Certificates	CE / UKCA / TR25
LVD	EN IEC 61851-1:2019 EN IEC 61851-23:2014 EN IEC 61851-24:2014
EMC	EN IEC 61851-21:2021
RED	EN 300 330 V2.1.1 · EN 301 908-13 V13.2.1 · EN 301 908-2 V13.1.1 · EN 301 908-1 V15.2.1 · EN 301 489-1 V2.2.3 · EN 301 489-3 V2.3.2 · EN 301 489-52 V1.2.1 · EN IEC 62311:2020
Additional compliance	IEC 62196-3
Communication to EV	DIN 70121 · ISO/IEC 15118-2

CUSTOMISATION

Branding	Optional: colour silk-screen print, wrap
Display	Optional: custom logo, advertising content

Polyfazer Vision 120

Model PV120 · mechanical drawing



Dimensions in mm. Drawing applies to models PV120, PV150, PV160. Section A-A: base footprint with mounting holes and AC inlet.

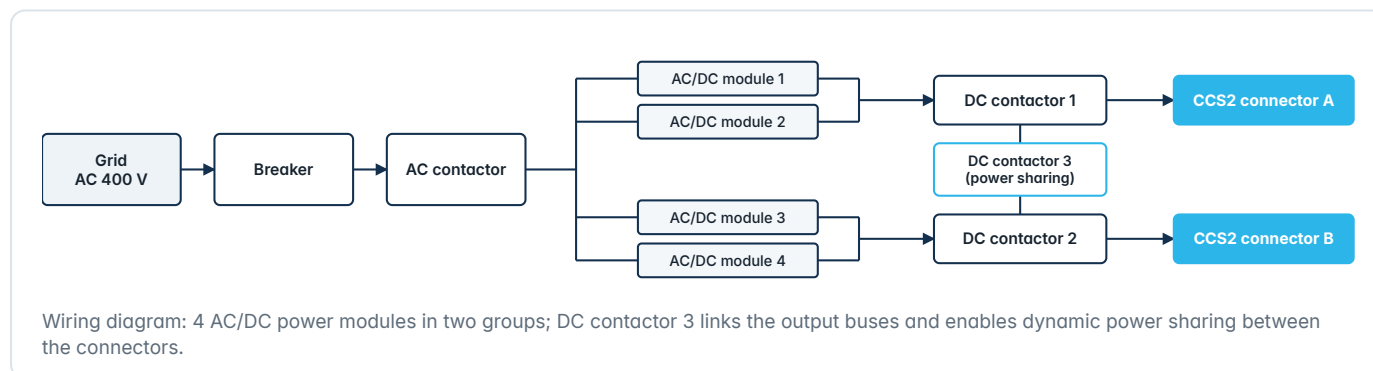
DIMENSIONS AND WEIGHT

Width	850 mm
Height (with cable holder)	2198 mm
Depth	617 mm
Mounting holes (spacing)	740 × 510 mm · 4 × Ø16
Net weight (without modules)	≤ 320 kg
Gross weight (with modules)	≤ 400 kg

INSTALLATION CONDITIONS

Application site	Indoor / outdoor
Protection grade	IP55 · IK10 (HMI IK08)
Power supply	3P + N + PE · AC 400 V · 184 A
Operating temperature	-30 °C to +50 °C

CHARGING SYSTEM ARCHITECTURE



Wiring diagram: 4 AC/DC power modules in two groups; DC contactor 3 links the output buses and enables dynamic power sharing between the connectors.



Hardware, network and support from one partner.

The Polyfazer Vision 120 can be fully operated on the Polyfazer platform: billing, monitoring, roaming and driver support, including installation and service. Contact us for the right configuration for your site.

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