

Polyfazer Vision WB 40

Model PVWB40 · CCS2

40 kW

Compact DC charger for corporate fleets and car parks at buildings.

Wall-mounted DC charger of the Polyfazer Vision range with 40 kW output and one CCS2 connector. The compact 750 × 750 × 300 mm enclosure mounts on a wall or on an optional pedestal, even where a floor-standing station would not fit. A 7" colour touch screen, RFID/PIN authentication and an optional payment terminal keep operation simple.

Finish: **Ice White** ☐

custom colour finish to match your branding (wrap, silk-screen print)

40 kW

OUTPUT POWER

133 A

MAX. CURRENT

200–1000 V

OUTPUT VOLTAGE

1 × CCS2

CONNECTOR

KEY PARAMETERS

Outlets	1 × DC CCS2, 5.0 m cable
Mounting	Wall-mounted or on optional pedestal
Power input	3P + N + PE · AC 400 V ± 10 % · 61 A · 50/60 Hz
Cooling	Forced air
Display	7" colour touch screen (HMI)
Authentication	RFID · on-screen PIN · optional payment terminal, Autocharge
Payment	Optional integrated Nexgo UN20 terminal with the Polyfazer app
Protocols	OCPP 1.6J
Protection / enclosure	IP55 · IK10 (HMI IK08) · indoor/outdoor

SUITABLE FOR

Corporate fleets · office and hotel car parks · dealerships and workshops · retail centres

Wall or pedestal mounting

The 750 × 750 × 300 mm unit mounts directly on a wall; for open areas a pedestal with an overall height of 1800 mm is available.

Ready for the Polyfazer platform

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

Rugged design for outdoor use

IP55 rating, IK10 impact resistance and operation from -30 °C to +50 °C. Multiple electrical protections including integrated surge protection.

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Model PVWB40 · CCS2 · Specification version V2.3

POWER INPUT

Phases / lines	3P + N + PE
Voltage	AC 400 V ± 10 %
Current	61 A
Frequency	50 / 60 Hz

POWER OUTPUT

Voltage	DC 200–1000 V
Max. current	133 A
Max. power	40 kW
Charging mode	Single vehicle (1 × CCS2)

DESIGN AND CONSTRUCTION

Installation	Wall-mounted / pedestal (optional)
Charging connector	1 × DC CCS2
Cable length	5.0 m
LED indicator	Yes
HMI	7" colour touch screen
Authentication	RFID · on-screen PIN · optional: payment terminal, Autocharge, other customisation
Energy meter	DC meter (CE) · optional MID AC meter
Efficiency	> 95 %
Power factor	> 0.99 (50–100 % load)
Harmonics	iTHD < 5 %
RCD	Type A, 30 mA

COMMUNICATION

Charger / EV	PLC (DIN 70121:2014-12 / ISO 15118)
Communication protocol	OCPP 1.6J

VARIANTS

Configurations	8 variants: wall-mounted / pedestal · with or without payment terminal · DC meter or MID AC meter
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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	≤ 65 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)	≤ 100 kg
Gross weight (with modules)	≤ 150 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

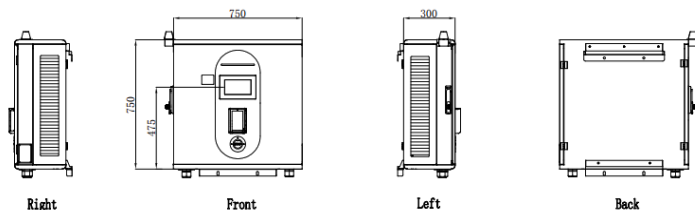
CUSTOMISATION

Branding	Optional: colour silk-screen print, wrap
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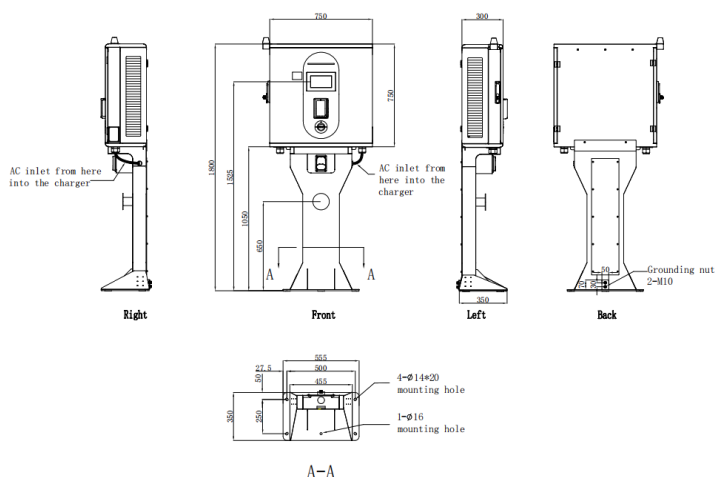
Polyfazer Vision WB 40

Model PVWB40 · mechanical drawing

WALL MOUNTING



PEDESTAL MOUNTING (OPTIONAL PEDESTAL)



Dimensions in mm. Drawing applies to models PVWB30 and PVWB40. Section A-A: pedestal base footprint with anchoring holes.

DIMENSIONS AND WEIGHT

Width	750 mm
Height	750 mm
Depth	300 mm
Pedestal (optional)	overall height 1800 mm · base 555 × 350 mm
Pedestal anchoring	4 × Ø14×20 (500 × 250 mm spacing) · 1 × Ø16
Net weight (without modules)	≤ 100 kg
Gross weight (with modules)	≤ 150 kg

INSTALLATION CONDITIONS

Application site	Indoor / outdoor
Protection grade	IP55 · IK10 (HMI IK08)
Power supply	3P + N + PE · AC 400 V · 61 A
Operating temperature	-30 °C to +50 °C

CHARGING SYSTEM ARCHITECTURE



Wiring diagram: breaker, AC contactor, AC/DC power module and DC contactor on the output of a single CCS2 connector.



Hardware, network and support from one partner.

The Polyfazer Vision WB 40 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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