

Data sheet

DC Pluto 60



**Slim but yet powerful,
charging two EVs simultaneously.**

The VESTEL DC Pluto is making urban fast charging look good.

With two DC charging points in a solid enclosure and a small footprint it can deliver fast charging for urban areas.

Highlights



Charging with up to
60 kW DC



Remote load
management via OCPP



DC charging of two
electric vehicles in parallel



Connection to IT backends
via OCPP 1.6J



Online via cellular,
Wi-Fi and Ethernet



Interaction via
10.4" touch display



Ready for ISO 15118

Highlights

Slim shape for ideal space management at the charging site

With only 410 mm of depth the Vestel DC Pluto can be placed also in very narrow spaces, even directly in front of a wall. This gives the charge point operator more possibilities to install fast charging stations. The clever two part design makes the DC Pluto appear even slimmer as the dark back part disappears optical-ly in contrast to the lighter design front.



Big and clear interface for user interaction via touch screen

User interaction is key. Therefore the Vestel DC Pluto has a big 10.4" touch screen. The resistive touch technology makes it possible to use the screen even in tough weather conditions or with gloves.

Large and easy to use foiling area for your own branding

Your brand should be in focus and visible for everyone. This is why the DC Pluto has a big and easy to use foiling area on the front. Optionally you can order the product turnkey ready in your corporate design which includes a complete foiling of the product.



Highlights

General information

Charging mode	DC, mode 4
Number of charging points	1 or 2
Charging connector	CCS2 cable
Cable length	3.5 or 5m
IT backend connection	OCPP 1.6 JSON
Authorization	Free mode, RFID, OCPP remote
Measurement	MID DC Meter (Optional)

Mechanical details

Mounting type	Base mounted
Enclosure material	Metal panel
Dimensions (HxWxD)	1754 x 684 x 421 mm
Package dimensions (HxWxD)	2000 x 950 x 590 mm
Weight	310 kg, 369 kg (with packing)

Electrical data

Max. charging output per charge point	DC:1x 60 kW / 2x30 kW
Input: Nominal voltage, number of phases	400 Vac ±10% , 50/60 Hz, 125 A
Output: Voltage	200 - 920 Vdc
Output: Current	CCS: 200 A
Power factor, efficiency	> 0.98, > 95 %
Stand-by power consumption	< 50 W
Earthing system	3L+N+PE (TN,TT)
Residual current monitoring	230Vac RCBO 1P+N, Type A, 30mA
IEC Protection Class	Class I
IEC EMC Class	IEC 61000-6-3 Class B-Residential (Emission) IEC 61000-6-2 Industrial(Immunity)
Internal Protections	Residual current sensing, Insulation monitoring, Over current, Over voltage, Undervoltage, Short circuit, Over temperature, Surge Protection

Highlights

Connectivity

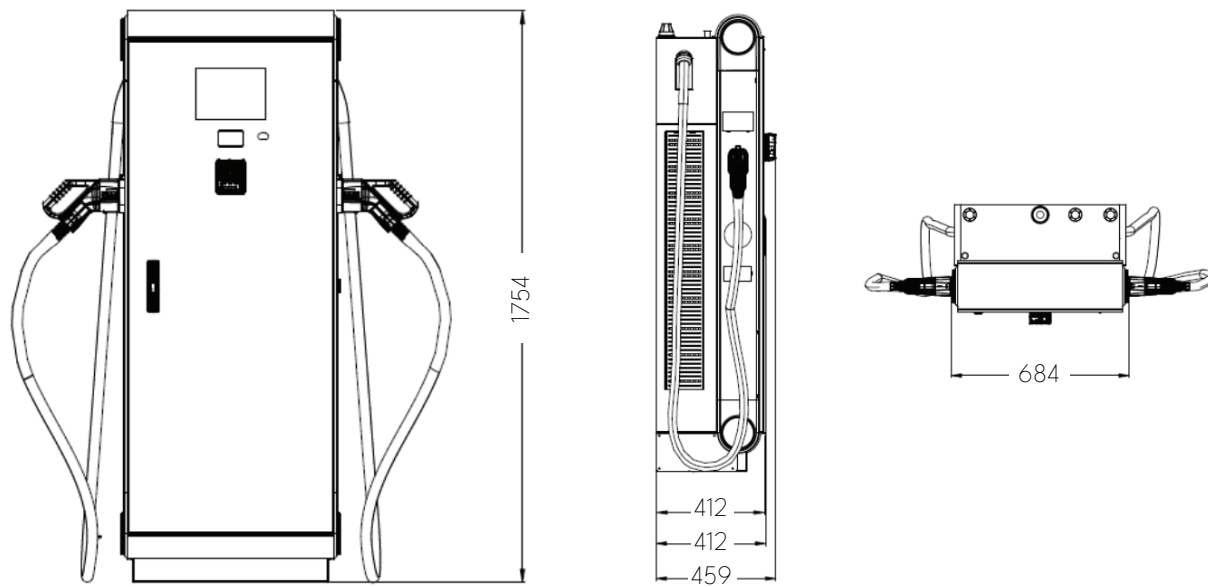
Communication interface to IT backend	Wi-Fi, ethernet, cellular (2G/3G/4G)
Protocols for communication with IT backend	OCPP 1.6 JSON
Authentication methods	RFID, credit card terminal (optional)
User Interface	High brightness resistive touch screen
Status indicator	Bright LEDs per charging point
Display	10.4” Color TFT LCD (4:3)

Certification

IP protection class	IP 54
Impact resistance	IK 10
Metering (Optional)	MID meter certified, Eichrecht German Calibration Law
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	IEC 61000-6-2/3, IEC62196-1/3, IEC 61851-1/23/24, ISO 15118-1/2/3, DIN 70121

Environmental conditions

Environmental operating temperature	-35°C to + 50 °C (Derating is applied over + 40 °C) -20°C to + 50 °C (Payment Terminal equipped models)
Humidity	5 % - 95 % (Rel. humidity, non-cond.)
Cooling	Forced air cooling Fan
Areas of use	Internal & External areas
Operating altitude above sea level	0 - 2000 m



RJ45 Male Connector

[illegible]

Notes

[illegible]