Twin 5

Proven reliable and solid charging technology

The Twin is Alfen's smart and robust EV charging station with two sockets that's perfectly suitable for business and public locations. In 2023, Alfen redesigned the Twin to renew its interior with state of the art charging technology based on the future standard - available today. With its clear user interface and highly reliable hardware platform, the Twin offers unparalleled user-friendliness and integrates advanced smart features such as ISO 15118 and V2G.

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Specifications

Max. power	22kW per socket
Supported grid systems	TN-S, TN-C-S, TT, IT; 3x400V+N, 3x230V w/o N
Energy meter, per outlet	MID certified & 4-Quadrant for V2G applications
Residual current protection	Per outlet RCD, 30mA type B
Overcurrent protection	Fuses or MCB up to 40A per phase
Set up	Direct connection to grid, used in charging plaza's or in smart charging network
Vehicle communication	Mode 3 in accordance with IEC 61851-1 ed. 3 (2017) ISO 15118 (optional) - Autocharge, Plug&Charge and V2G
Communication protocol Central System	OCPP 1.6 + SE (JSON) 2nd edition Upgradable to OCPP 2.0.1
Operating conditions (external validated)	-25ºC - +55ºC
Protection rating	IP54/ IK10

- Control panel equipped with an RFID card reader
- Type 2 sockets
- Solid metal casing
- 1385x335x220 mm (HxWxD)
- Double lockable lever for grid operator and maintenance partner

The charging station

Integrated protection
The Twin is equipped with all required protective features. The integrated Grid Connection Box adds all protection normally required in the external infrastructure. This helps you to save money during installation.

Ease of use
The unambiguous icons and integrated card reader make the Twin a user-friendly charge point. Starting and stopping charging sessions is easy. Invisible to the user are its smart features like energy clearing and ensuring safety.

Public charge point
The Twin is a charge point often seen at business and public locations. Its robust construction and ease of use make it one of the most popular charging points for public locations.

Cyber security
With our new platform, Alfen is a frontrunner in cyber security. We use a Secure by Design strategy and are ISO 27001 certified.

Smart charging
With its entirely renewed software and hardware, the Twin supports various features such as OCPP 2.0.1, Load Balancing, Smart Charging Network, ISO 15118* and bidirectional charging (V2G)**.

Easy configuration
Connect the Twin to a laptop during installation and enter your preferred configuration settings with our free Service Installer configuration software

For more information, please visit: www.alfen.com

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*   Will be available in future firmware releases, also depending on the car and back office integration.
** Will be available in future firmware releases, depending on local grid requirements and codes.
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