

Waypump 300 H

Datasheet

Fast charging at the cutting edge of technology

Enel X Way Waypump™ 300 H is a multi-standard DC charging station for electric vehicles that provide a seamless charging experience at up to 300 kW. Available in two output configurations to suit every need, it is compatible with all the main DC charging standards of the EVs on the market. Waypump 300 H allows for parallel charging, giving the possibility to charge two vehicles at the same time, while the Trio configuration also includes an AC Type 2 connector in either a cable version or a socket version. High performance, without compromises. Compact, reliable and efficient, Waypump 300 H offers active user control and a remote assistance service. The possibility to include a UPT payment terminal is also available as an optional.



Configurations Enel X Way Waypump™ 300 H

CONFIGURATION	DC OUTPUT CONNECTORS	AC OUTPUT CONNECTORS	OPTIONAL
1	CCScombo2 cooled cable + CCScombo2 cooled cable	Not present	UPT payment terminal
2	CCScombo2 cooled cable + CHAdeMO	Not present	UPT payment terminal
3	CCScombo2 cooled cable + CCScombo2 cooled cable	Type 2	UPT payment terminal
4	CCScombo2 cooled cable + CHAdeMO	Type 2	UPT payment terminal

Intended Use

Private

Charging station installed in a private area, available to a limited group of users, for private charging only.

Public

Charging station installed in a public area or in a private area with public access, open to all types of customers.

Why Waypump 300 H?

Reliable

Locking system that prevents unauthorized disconnection of the plugs during charging

Remote technical assistance service available 7 days a week

Fully weatherproof enclosure, perfect for outdoor installations

Intuitive

15" screen with 4 buttons guiding the user through the charging process

Seamless user experience

Connected

Real time communication with Enel X Way smart charging platform via 4G or Ethernet

Possibility to manage charging procedure via mobile App and RFID card

Integration with Enel X Way web dashboards for a complete control of the charging experience, including setting charger parameters and accessing charging history details

Versatile

Two outputs available in two configurations, with possibility of DC parallel charging and UPT terminal option

Product Specifications

Input rating	>	3-Phase / 400Vac ($\pm 10\%$) / 50Hz ($\pm 5\%$)
Power factor	>	>0.99 with active PFC correction
Current THD	>	<13% at nominal output power
Efficiency	>	98.86% at 850 V (300 kW)
	>	98,71% at 750 V (300 kW)
	>	97,88% at 750 V (75 kW)
	>	98,08% at 400 V(75 kW)
	>	98,9% at 400 V (200 kW)
Output configuration	>	Two output connectors, available in two configurations: CCS2(DC) + CCS2(DC) CCS2(DC) + CHAdeMO (DC) Possibility of adding an AC output through a Type2 connector (Trio version)
Output voltage	>	CCS: 1000Vdc
	>	CHAdeMO: 500Vdc
	>	AC 400V
DC output current	>	CCS: 500A max.
	>	CHAdeMO: 125A max.
DC output power	>	CCS: 300kW max.
	>	CHAdeMO: 50kW max.
AC output current	>	32A max
AC output power	>	22kW max
Power split	>	Simultaneous DC charging possible for two vehicles
Charging cable length	>	5m, 3.5m on demand
Display	>	15" screen with 4 buttons
RFID reader	>	RFID reader available
UPT payment	>	UPT available as optional
Connectivity	>	GPRS/3G/4G
	>	Ethernet
Protocol	>	OCPP1.6J
Operating temperature	>	-30°C to +55°C
Relative humidity	>	10%-90%
Dimensions	>	2185 x 730 x 663 (at base) / 832 (at top) mm (HxDxW)
Enclosure protection	>	IP54
	>	IK10
Meter	>	DC meter with PTB approval (on going)
	>	AC meter with MID certificate
Installation	>	Ground basement
Certification	>	CE certification

The maximum power deliverable in DC by the charging station at any given time is 300kW, also in case of parallel charging.