AMPERE ENERGY

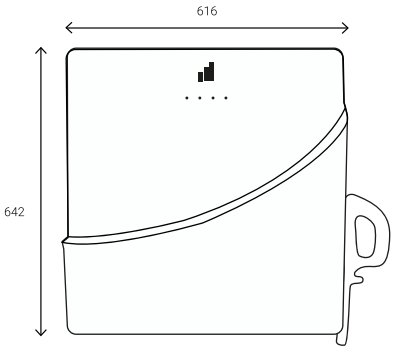
Ampere E-Loop

Use 100% of the energy of your vehicle

Bidirectional charger for electric vehicles for private use which optimises the charging process in an intelligent way. Thanks to its bidirectional technology, you can power a home with the energy stored in the vehicle or feed it into the grid.

E-loop studies the user's daily behaviour and it is able to predict when the electric vehicle is not going to be used in order to take advantage of the surplus energy and transfer it to the home or back into the grid. Simply by using the MyAmpere application, you can indicate how much energy you need for your daily commute and E-loop will automatically charge your vehicle from the grid during the cheapest periods or by using the surplus energy generated by your solar installation. The energy stored in the battery of your electric vehicle that you do not use on your daily commute can be used to offset your consumption, saving you money on a daily basis.

E-loop turns your electric vehicle into a source of energy and power for the home!



Dimensions 616 x 642 x 290 mm.
Weight 36 kg

Bidirectionality adapted to your needs

Thanks to its bidirectionality and the intelligent management of the SEMS (Smart Energy Management System), E-Loop is able to recognise your daily routine and optimise charging times automatically, ensuring that the vehicle is fully charged and ready to use when you need it.

The most innovative electromobility solution!

My Ampere: The energy that is in your hand

Thanks to our MyAmpere app (iOS/Android) you can control the charging process at any time and from anywhere. MyAmpere allows you to configure the different charging modes and monitor the energy flow in your home from wherever you are.

Take control of your energy!

Maximum savings thanks to smart charging

E-Loop optimises the use of your electric vehicle's battery, being able to supply electricity to your home when the demand for electricity is high and therefore prices are more expensive, charging it when the demand is low and prices are cheaper.

Flexibility in the management and consumption of your energy!

Save power for your home

E-Loop allows you to save power, as it will provide it automatically when you are approaching the contracted limit, so you can obtain additional savings in the fixed term of the bill.

Be part of the energy revolution!

CHAdeMO

Compatible with vehicles that allow charging via the "CHAdeMO" standard. Applus+ IDIADA certified under CHAdeMO 2.0, CHAdeMO V2X 2.0 and Mode 4 of IEC 61851-1/23/24. V2X compatibility verified by NTEC* and Applus+ IDIADA with NISSAN LEAF (>MY13) and eNV200 (>MY14).

*Nissan Technical Centre Europe

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AMPERE **E-LOOP**

General Specifications	**E-Loop**
IP degree of protection	IP21
Working temperature	-20°C a +40°C (forced ventilation)
Relative Humidity	20% - 85% (without condensation)
Dimensions (cm)*	61,6 x 64,2 x 29
Weight*	36kg
Communications Ports	Ethernet RJ45, Wireless (802.11a/g/n), USB, RS485 MODBUS
Power Management	SEMS with AMPi® software
Power Meter	Single-phase two-way Energy Meter included (100ARMS - cable <25mm²). RS-485 MODBUS
Warranty**	3 years

DC output/input	**E-Loop**
Charging standard / EV connection	Mode 4 (IEC 61851-1/23/24), CHAdeMO 2.0, CHAdeMO V2X 2.0
Max. Charging/discharging power***	6 kW (BI-DIRECTIONAL)
Operating voltage***	50-500V
Max current***	15A
Connector	CHAdeMO
Cable length*	5m

AC input/output	**E-Loop**
Type of mains connection	Single phase L-N-PE
Max. power rating****	6.5kVA
Rated AC voltage	230 VRMS (±10 %)
Rated AC current	26 ARMS
Rated frequency	50Hz (±2 %)

EMC,electrical safety and regulations	**E-Loop**
EMC / Electrical Safety Grid	IEC 61851-1, IEC61851-23, IEC 62196
Connection Regulations	IEC62116 (EU), RD1699/2011 (G99, DIN V VDE V 0126-1-1, VDE-AR-N-4105)*****

*Dimensions excluding cable and CHAdeMO connector. Weight including cable and CHAdeMO connector. Weight of 5m cable and CHAdeMO Connector 6.5kg.
**As per current Ampere warranty available at www.ampere-energy.com.
***The instantaneous power delivery is managed by the Charger depending on the charging power required by the EV or limited by the power available for discharge reported by the EV. In turn, the maximum charging power may be limited by the available power, calculated by the SEMS, to avoid consuming more power than the contracted power. The maximum power may be limited by an ambient temperature above 40oC.
****During charging, the DC voltage and current are determined by the EV and the charger adapts to the requirements of the EV.
*****Under development.
DISCLAIMER: Specifications are subject to change without notice for product improvement.