

Audi e-tron Foil Charger Delta-Q



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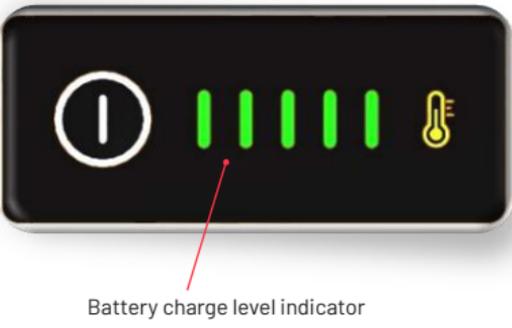
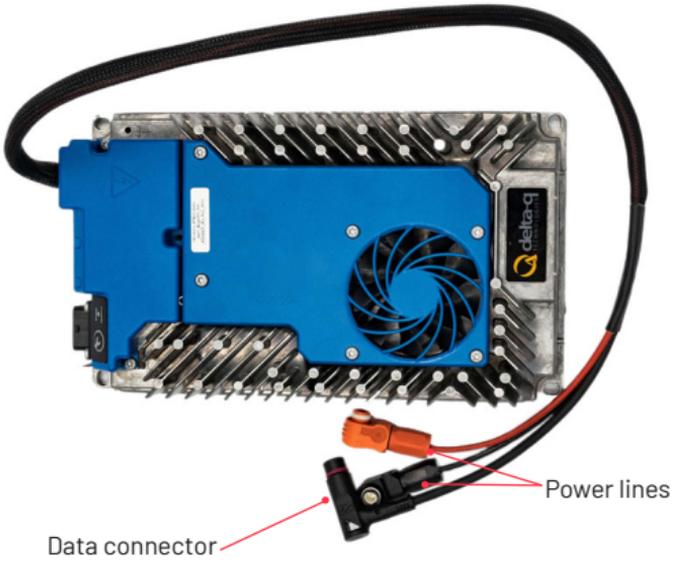
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1 Overview

Delta-Q ICL 1200 / ICL1500 85V





2 Safety

2.1 Intended Use

The Delta-Q charger is only suitable for charging the battery of the Audi e-tron foil. Other batteries must not be charged with this charger. The charger may only be used if it is in perfect working order.

Only use the charger as described in this instruction manual. Any other use is considered improper use and may result in damage to property and personal injury.

Aerofoils GmbH shall not be liable for any damages caused by the improper or incorrect use of the charger.

2.2 Safety and Warnings Instructions for Use



Danger

Faulty electrical installation or excessive mains voltage can lead to electric shock.

- » Only connect the charger to a properly installed socket.
- » If you are not using the charger, cleaning it, or if a malfunction occurs, disconnect the power plug from the socket.
- » Never touch the power plug with wet hands.
- » Only use the charger indoors at an ambient temperature between -5°C and $+40^{\circ}\text{C}$. Never use it in damp rooms or in the rain.
- » The polarity indicators plus $+$ (orange) und minus $-$ (black) on the battery must always be observed when plugging in the charger. Correct use must be ensured.
- » Keep the charger away from rain or wet conditions. There is a risk of electric shock if water enters the charger.
- » If the charger connections become dirty, clean them with a dry, clean cloth.
- » The charger must not be used unattended.
- » Check the charger, cables and plugs before each use. Do not use the charger if you notice any damage. Do not open the charger.



- » Do not operate the charger on easily inflammable surfaces (e.g. paper, textiles, wood, etc.). Only charge the battery when it is dry and in a fire-safe place.
- » Be careful when touching the charger during charging. Wear protective gloves. The charger can become very hot, especially at high ambient temperatures.
- » Keep the charger out of the reach of children.
- » Read and observe the safety information as well as the instruction manual for the battery and your e-tron foil.

Improper handling of batteries can lead to injuries.

- » Do not expose the charger to heat or fire. Avoid prolonged exposure to direct sunlight.
- » The charger must not be disassembled, opened or dismantled. If the charger is opened, all warranty claims are void.
- » Keep the charger clean and dry.
- » The charger must not be subjected to mechanical shocks.



3 Charging

3.1 Fast Charging

- » Plug the charger into a power socket. The status LED should now light up orange.
- » First, plug the orange and black power contacts on to the matching sides on the battery.
- » Now, connect the data plug to the battery. The status LED should now start flashing green slowly (battery <80% full) or quickly (battery >80% full). The current charge level is shown on the battery display in 20% increments via a running light.
- » As soon as the LED on the charger is permanently glowing green, the battery is fully charged and the battery display goes out to save energy. After that, the charge status of the battery can be checked as usual at any time by briefly pressing the function button on the battery.

3.2 Slow Charging

Slow charging protects the battery and extends its lifetime. In addition, it may be useful to slow charge the battery if the power outlet cannot provide enough power for fast charging (possibly with mobile power outlets in vehicles or multiple chargers on the same circuit). Start slow charging as follows:

- » Plug the charger into a socket. The status LED should now light up orange.
- » First, plug the orange and black power contacts on to the matchings sides on the battery.
- » Now, connect the data plug to the battery. The status LED should now start flashing green slowly (battery <80% full) or quickly (battery >80% full). The current charge level is shown on the battery display in 20% increments via a running light.
- » Now press the function button on the battery for 3 seconds within 60 seconds after connecting the battery.
- » The running light on the battery now slows down.
- » As soon as the LED on the charger is permanently glowing green, the battery is fully charged and the battery display goes out to save energy. After that, the charge status of the battery can be checked as usual at any time by briefly pressing the function button on the battery.



3.3 Charging to Storage Voltage

If the battery is to be stored for a longer period of time (>4 weeks), it should be charged to the storage voltage. Both a fully charged battery and an empty battery will shorten the life of the battery if stored for a longer period of time (see Chapter 8.6 - Operating Instructions).

Tip: if the battery is already fully charged, it can be slowly discharged to the predetermined storage voltage by pressing the function button on the battery for >10 seconds. The battery indicates this by a discharged running light.

To charge to the storage voltage, follow these steps:

- » Press the function button on the battery for >10 seconds. The two lower LEDs should now flash synchronously.
- » Connect the charger to the battery within 60 seconds.
- » The charger now charges up to the predefined storage voltage and then switches off automatically.



4 Cleaning and Maintenance



Danger

Risk of electric shock.

- » Disconnect the charger from the main power before cleaning.
- » Improper handling of the charger can lead to injuries.

Water which has entered the housing of the charger can cause a short circuit and damage the charger.

- » Do not immerse the charger, cable, terminals or plug in water or other liquids.
- » Make sure that no water gets into the housing of the charger.

Risk of damage due to incorrect handling.

Do not use aggressive cleaning agents, brushes with metal or nylon bristles, or sharp or metallic cleaning objects such as knives, hard spatulas and the like to clean the charger. These can damage the charger.

Cleaning

- » Disconnect the charger from the main power before cleaning it.
- » Let the charger cool down completely.
- » Clean the charger with a dry, soft and lint-free cloth.
- » Only wipe the charger in the event that it is very dirty. Should this be the case, use a damp, well-wrung cloth and a mild, non-abrasive cleaning agent to clean the charger.
- » Dry the charger well afterwards.



5 Technical Data

Model Delta-Q ICL 1200 / ICL 1500
Charging Capacity 1200 W

IP-Protection Level IP66 water-repellent
Weight Approx. 3.60 kg
Dimension 300mm x 179mm x 80mm

Charging Times

0%-80% 1h 20min
0%-100% 2h (fast charging)
0%-100% 5h 30min (slow charging)



6 Storage

- » Store the charger in a dry place, away from sunlight and free of any dirt.
- » The ambient temperature should be between -5°C and $+40^{\circ}\text{C}$.

7 Disposal

- » The charger is a recyclable material. It must be disposed of separately from household waste and recycled in accordance with the applicable legal regulations.
- » Never disassemble the charger for disposal by yourself.
- » The charger can be returned free of charge to any specialist dealer. Depending on the region, other disposal options are available.



8 Self-Help / Troubleshooting

The charger LED does not light up after connecting the charger to the power outlet.

- » Check the plugs and cables.
- » Make sure that the power socket is switched on.

The battery does not charge after plugging it into the charger.

- » Check the plugs and cables on the battery.
- » Pay particular attention to dirt, corrosion and bent pins on the data connector.
- » Check whether the battery shows its charge status when you press the function button on the battery. If the charge level is not displayed, please contact support.

The battery charges very slowly.

- » Check if the overheating temperature indicator on the battery is lit. If this is the case, the battery is too warm for (fast) charging. Accordingly, the battery is only charged slowly.
- » Check whether the charger is overheating. When charging, excess heat is generated in the charger. If the charger cannot dissipate this heat via the fan (e.g. because the charger is too close to a wall or is covered), the charger may overheat. The charger consequently reduces the charging power to protect itself. The full charging power is available again as soon as the charger cools down.

The LED on the charger lights up red.

- » This indicates a fault with the charger.
- » Unplug the charger and check the cables and plug contacts.
- » If the error still occurs after reconnection despite intact cables and contacts, please contact support immediately.



9 Manufacturer

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