

ECO GRAND PRIX – 9H OF HUNGARY

RULES AND REGULATIONS

// SCHEDULE //

Participants will meet 31.5.2019 in Budapest at 6PM at a location which will be communicated short before the event to the participants to get a briefing, they have to come with their cars to get the stickers mounted. Briefing and mounting will finish at 9 PM latest.

20.06

- 07:00** Participant meeting at the Hungaroring gate
- 07:30** Line up to the safety car lap
- 07:45** Positioning of the cars at start
- 08:00** eco Grand Prix start
- 12:00** Challenge pause
- 12:30** Line up to the safety car lap
- 12:45** Positioning of the cars at start
- 13:00** Challenge 2nd start
- 17:00** eco Grand Prix finish
- 17:15** Award ceremony
- 18:00** Leaving to dinner at restaurant
- 19:00** Dinner party
- 23:00** end of eco Grand Prix

// HOW TO WIN //

The aim is to show to the world that electric cars can drive a lot of km in 9h. Second it is not really known how much km can drive a VW eGolf in comparison with a BMW i3 at the same conditions. So, the question is how to drive the maximum number of laps having only CEE 32A sockets like I found them all around the world at the hotels I added to www.chargehotels.com. Every car category will set its own record, so BMW i3 will compete vs BMW i3, eGolf vs eGolf and Kia Soul E vs Kia Soul E.

The easiest way to win is to check the participant list, take a car no one other is taking and come to the start. If you are the only one you will win in your category but you should take care to make as

many laps as possible because you wouldn't like your record to be beaten easily next year.

In case there is another car starting in your category you should take care that you can charge 22kW. If you don't have the appropriate adaptor with you, you should rent or buy one. And then the thrill begins ... perfect team strategy, flexible charge stop strategy adapting to weather conditions, heating, cooling, a lot of factors which can make some laps more ...

The competition starts 1.6.2018 at the morning and ends late in the evening with a pause of 2 hours in between.

// PARKING //

Gas cars have to park at the outer park spaces.

All electric cars including the starting team members are allowed to park near the boxes.
You will be indicated where to park.



// CHARGING //



Every team will get access to one own 32A CEE socket at his box like this.

Modern cars need an adaptor to be able to charge there. Some cars like Teslas have a 16A CEE charger on board. 16A CEE are available too but be informed that this is charging half speed in comparison to 32A.

Please take care to bring your own chargers, wallboxes or and adaptors to be able to charge. You will find the sockets like this and you will have to charge for sure to make the 9h:



The mobile Charger NRG kick www.nrgkick.com is supporting to be plugged in to 32A sockets and having a Type 2 plug for electric cars.

Teams are allowed to take their own charging equipment. For one phase charging cars it is recommended to bring AC/DC converters available at <http://ladetechniknord.de/> or other producers to be able to charge at maximum 22kW speed. Battery buffering or swapping is not allowed. This would not reflect real life charging situation.

10m CEE extension cables to extend the socket to reach the pit lane to allow to charge the car at the pit lane without to drive into the box are available. You can also buy this cable at the race track or if you want, it's the 6mm² version to be able to stress it for hours and it costs 69€.

// TECHNICAL INSPECTION //

Only 100% not modified standard electric cars are allowed to start.

The inspection will be done by the “eco Grand Prix Pit Bulls” the members of the organization team paying attention to compliance with the rules. If required the owner of the car has to give access to a **Pit Bull** to optionally mount lights or cameras to the car and test the charging.

The cars have to stand at the pit lane at 7:30 AM on 1.6.2019. Cars failing to be there in time will be disqualified. The driver briefing is as stated the

day before. Drivers not being at the briefing will not get the clearance to start.

Drivers have to allow the **Pit Bulls** to stick the car of the participant with stickers from sponsors. After the event the owner can keep them or take them off himself.

The **Pit Bulls** will also mount eco Grand Prix plates exchanging the original plates so that no one will be able to take pictures of the cars with the original plates (insurance reasons).

// DRIVING //

Only accredited pilots are allowed to drive the cars. You will get the accreditation bracelet after the briefing. A team is allowed to have as many drivers as they want and also allowed to change as often they want. Drivers have to show their driving license to the eco GP crew to get accredited.

At 7:30 AM the pilots will be led over the track and should drive behind the safety car in a distance of 3 cars maximum. After the introduction lap all co drivers have to leave the cars and the cars will be placed at the starting positions in the sequence of their starting numbers.

The Pit Bulls will take photos from the odometers and the charge status of every car at the starting place and post it online so that the live streaming followers will be included into the information flow.

At 8AM the start sign will jump to green and you will be counted the laps driven till exactly 12AM. After this 4 hours all cars have to drive to the pit lane and stand there without charging their cars. At 1PM the restart will follow with the cars positioned in the sequence of the actual ranking.

At the pit lane the maximum allowed speed is 20km/h

In case a car runs out of battery at the race track, the driver has to sit in the car till the safety car is coming to toe him to the pit lane. As soon a car is identified by the marshals not to drive at the race track the competition is stopped and all cars have to leave to the pit lane. The car will be toed and will get a penalty defined by the marshals which will be normally a stand punishment of several minutes after he is ready to start again where he has

to stay and wait without charging. Running out of battery at the end of the race will mean driven laps will be subtracted per minute it stopped before the end of the challenge.

Any kind of rule breaking will be investigated by the stewards and will lead to penalties in extreme cases to disqualifications.

// GENERAL //

In the briefing session the participants will be trained regarding the flag policy, will be able to ask the questions and will get a presentation where the rules will be presented again in detail. Some rules may change depending on the weather and other conditions so the final rules written and hand over the day 31.5. at the briefing will be the agreed ones for all participants.