

# ECO GRAND PRIX 24H OF AUSTRIA

## RULES AND REGULATIONS

**DRAFT VERSION – Please register to the newsletter to get notified about updates**

### // SCHEDULE //

20.6.2019: Technical acceptance (Groß Glockner introduction lap – to be clarified)  
21.6.2019: Start 17:00  
22.6.2019: Finish 17:00

### // HOW TO WIN //

The aim is to show to the world that electric cars can drive a lot of km even through the mountains.

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 Rafael de Mestre found them all around the world at the hotels at his around the world race 2012 you can find now at [www.chargehotels.com](http://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.

As you could see on TV at several channels like ZDF, NTV or MDR [www.youtube.com/watch?v=6sGw8W-wtjg](http://www.youtube.com/watch?v=6sGw8W-wtjg) the ones driving faster than 80km/h lost the competition so a very energy efficient foot will make the winner.

At Zell am See the special thrill is not only that the competitors are driving laps around the lake in normal traffic conditions, at the end the competing cars have to have enough range to reach the Gross Glockner, it's more than 1000m level difference.

Traffic rules have to be respected, traffic light times have to be calculated and be careful, you will be tracked the whole time more precisely than the police can do.

Cars start with 100% of their battery capacity counting the sum of laps driven in 24h. Deviations from the road book or driving at higher speed than allowed are leading to stop times at the pit lane. Speeding at the laps in the last hour are in addition not counting the lap. Cars not being able to reach the Gross Glocker in the given timeframe will be disqualified.

## // PARKING //

During the event gas cars have to park at the outer park spaces not blocking the poles where EV's could plug in their cars to 16A one phase Schuko sockets. Staff will indicate, where to park.



## // ACCESS //

### Participants:

Drive to Hotel ..... and follow the signs to the eco Grand Prix main reception desk to get registered as driver. Tell there your name and one of our eco Grand Prix members will give you the sticker and all things to get access to the paddock. The registration of the teams is done on ..... starting by .... and closing at .... After the registration you have to drive your car to the pit lane to go through the technical inspection where you will get some technical staff mounted. You will be able to leave your car there plugged in to charge overnight. There will be an electric shuttle service to the hotel. At .... the briefing for all team captains will start at ..... If you are coming late you risk to be disqualified. Only teams who joined the briefing will be allowed to start. You'll be welcome to join the dinner after the briefing at about .....

### Guests:

Guests follow on 21.6. the signs to Ionica and park at the indicated parking spaces not blocking the poles for electric cars. Official start is 5PM. Everyone who is intending to sit in a car is obliged to put the seat belt. In case you are one of the following groups you should follow the instructions:

 EV GUESTS: In case you are a guest coming

with an 100% EV, the staff at the gate will indicate where to park or charge if needed.

-  PARTICIPANT: Participating drivers have to show the driving license at the reception desk where they will get the bracelet allowing to drive as eco Grand Prix participant.
-  TEAM GUESTS: Team members, VIPs or guests wanting to sit in the car for one or more laps have to get the accreditation at the eco Grand Prix registration desk at ... (near pit lane).
-  MEDIA: Media will get the Media accreditation bracelet. They have to join afterwards the briefing to get the instructions and safety jackets before getting the permit to film or get photos, same rule applies to You-tubers.
-  ORGA: Members of the organization team have to come to the hotel on ..... to join the eco Grand Prix crew briefing.

It is strictly forbidden for anyone but the marshals to enter the pit lane or paddock beside of the participating cars even in the pauses or after the competition. During the competition no guest is having the right to cross the indicated barriers. During the competition the maximum amount of people sitting in a competing car is four.

## // CHARGING //

Participant cars will get access to 32A CEE sockets at the pit lane looking like this:



Modern cars need an adaptor to be able to charge there. Some cars like Tesla 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 and adaptors to be able to charge.

The mobile Charger NRG kick [www.nrgkick.com](http://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://lade-techniknord.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.

Tesla cars are recommended to charge at the Superchargers nearby before coming to the event. For participants there will be these CEE 32A sockets at the pit lane being the only allowed charge point for them during the whole competition.

## // 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 mount lights, cameras or any other technical equipment needed to perform the competition to the car and test the charging. The cars have to be at the paddock on ..... latest. Cars failing

to be there in time will be disqualified.

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

Owners not allowing access to the Pit Bulls to check or mount needed equipment won't get the clearance to start.

## // 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 as they want. Drivers have to show their diving license to the eco GP crew to get accredited. At 3PM the pilots will be aligned to the starting sequence following their sequence of registration. 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 5PM sharp cars will be signaled by the eco GP flag to start. Wrong turns won't generate penalties plus the loss of battery range and time to get back on track, so you can correct any error but it will have consequences. Coming late does not lead to disqualification, you will be simply later than the starting field.

Entering the pit lane you will see the maximum allowed speed limit signs of 20km/h, it will be controlled by eco Grand Prix Pit Bulls and is leading to penalties in case of even driving 1km/m more than allowed. Driving 100% over the speed limit leads to immediate disqualification of the team.

In case a car runs out of battery at the street with no chance to drive back recuperating the battery

the driver has to call the race control and do all measures you have to do following the traffic rules.

As soon a car is identified by the marshals not to drive, they will try to reach the team by mobile phone. In case they are not answering the safety car will drive to the last position sent by the GPS device to support. A defined mobile phone has to be in every team car and plugged in to the cigarette lightener or USB slot if available. The car will be towed to the charge place 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. The lap where the car run out of battery won't be counted.

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

Cars having an accident are not allowed to continue driving, if the car is able to drive the driver has to enter the pit lane so that it can be inspected by the technical team. Restart is only allowed in case the technical expert team is giving the green light.

Drivers having an accident are not allowed to continue driving till the doctor is giving his ok.

## // SCHEDULE OVERVIEW //

**20.06**

- 13:00** Registration period start
- 16:00** Briefing
- 18:00** Test drive to Groß Glockner
- 20:00** Dinner

**21.06**

- 14:00** Technical inspection
- 16:00** Line up at pit lane
- 17:00** Eco Grand Prix Start

**22.06**

- 17:00** Eco Grand Prix End
- 17:30** Drive to Groß Glockner  
Reception at Groß Glockner  
Award Ceremony  
Dinner  
Party

## // GENERAL //

In the briefing session the participants will be trained by the eco GP initiator Rafael de Mestre, will be able to ask 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 20.6.2019 at the briefing will be the agreed ones for all participants.

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