

ECO GRAND PRIX – ANDORRA 2019

RULES AND REGULATIONS

// HOW TO WIN //

The aim is to show to the world that electric cars can drive a lot of km even under snow conditions. Second it is not really known how much km can drive a VW eGolf in comparison with a BMW i3 at the same conditions in the cold. 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 in the www.80edays.com rallies 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 would not 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 ...

// PARKING //

Gas cars have to park at the outer park spaces.

All electric cars including the starting team members have to drive to the hotel first to get the accreditation to enter the charge park for electric cars.



// ACCESS //

If you are guest park at the parking and come walking to the Entrance of the reception. Show there your free entry ticket printed on paper. Guests not having the paper printed free entry have to pay the entrance fee of 15€ per person. Children under 16 years get a free entry. Children wanting to participate on kid's eco GP have to pay 5€.

Everyone who is intending to sit in a car driving at the race track is obliged to wear a helmet.

In case you are one of the following groups you should drive to the hotel Coma in Ordino and go to the registration desk first the day before start.

- **EV DRIVERS:** In case you are a guest coming with an 100% EV, please register at the website as guest with EV and come if possible, to the hotel first to get the entrance sticker to get access to a Schuko socket at the race track. If you can not manage to come to the hotel one day before please ask at the entrance and you will get the sticker in case you are registered.
- **PARTICIPANT:** Participating drivers have to show the driving license allowing to drive

cars and the helmet and shoes they are intending to wear.

- **TEAM MEMBERS:** Team members or VIPs wanting to be at the introduction lap in the cars have to get the accreditation sticker and show the Helmet they want to start with.
- **MEDIA:** Media will get the Media accreditation bracelet. They have to join afterwards the briefing to get the instructions and safety jackets before getting access to the restricted areas. First briefing is after the press conference in the hotel 5PM on 9.3.
- **ORGA:** Members of the organization team have to come to the hotel one day before start on 9.3. 11AM latest to join the eco Grand Prix Orga briefing at the Circuit of Pas de la Casa.

It is strictly forbidden for anyone but the marshals to enter the race track, only participating cars are allowed to enter.

// CHARGING //

There are three 32A CEE sockets available at the pit lane. Charging will be done following the rule first come first serve. Overtaking at the pit lane is not allowed. One charge station will be installed by our main supporting partner CIRCUTOR <http://circutor.es/en/products/smart-electric-vehicle-charging-system>.

Modern cars need an adaptor to be able to charge at a CEE (Cetac) three phase socket. Some cars like Teslas have a 16A CEE charger on board. Please be

You will find the CEE sockets looking like this:

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 Ladetechnik Nord www.ladetechnik-nord.de or other producers to be able to charge at maximum 22kW speed. Neither battery buffering nor battery swapping is allowed.

It is obligatory to have a 10m CEE extension cable to extend the socket to reach the pit lane to allow

informed 16A CEE won't be available so even if you're wanting to charge slowly you would need an adaptor (available at hardware stores). 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 if you don't want to queue in front of the only available charge station from Circutor.



to charge the car at the pit lane without to drive into the box.

If you have this cable take care that you're having the 6mm² version or rent it at the race track for 10€ depositing 100€ in cash. Alternatively, you can buy the cable also at the race track for 75€ VAT included.

We recommend to check in at the hotel Coma in time so that the team cars can be charged full overnight. Hotel Coma charging will be managed also following the "first come first serve" rule. Please take case, there are only three 32A are available there.

// 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 to the car and test the charging.

The cars have to be at Hotel coma at 4PM on 9.3.2019. Cars failing to be there in time risk to be

disqualified. The driver briefing will start after the technical inspection. 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 over the original plates so that no one will be able to take pictures of the cars with the original plates.

// DRIVING //

Only accredited pilots are allowed to drive the cars.

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.

The competition starts 10.3.2019 at 7AM in Ordino at the hotel Coma and ends same day 7PM at Pas de la Casa. From Ordino you will have 45 minutes to reach the circuit at Pas de la Casa where arriving you have to make two test laps minimum

before lining up at 8AM for the start. Delayed arrival will lead to late start out of the box the number of minutes you arrived later than 45min after start. Traffic rules have to be followed, speeding will lead to penalties or disqualification.

At 8AM the drivers shall be sitting in their cars in the pit lane ready to get leaded to their starting slot. The sequence of the starting is following the sequence of arrival at Pas de la Casa.

At 8:30 AM the cars will start and drive 3 times 3 hours as many laps as they can.

There is no charging allowed during the pauses of the competition, all charging has to be done during the competition.

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 take 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 pushed to the pit lane 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.

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 by the race track marshals 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 conditions so the final rules written and hand over the day 9.3.2019 at the briefing will be the agreed ones for all participants.