

# ECO GRAND PRIX

## TRANSILVANIA MOTOR RING – 24H ENDURANCE RACE

### RULES AND REGULATIONS

#### // SCHEDULE //

##### 01.07.2022

- 10:00** ecoGP core team briefing
- 19:00** Official entry for participants and exhibitors
- 19:00** Ramp up start
- 20:00** Team briefing
- 21:00** Team registration

##### 02.07.2022 - paddock

- 08:00** Opening the gates for public
- 08:00** Meeting of all slalom teams at the start line at the paddock
- 09:00** Slalom start for ecoGP participants
- 12:00** Slalom finish for ecoGP participants
- 13:00** Slalom start for anyone
- 18:00** Slalom finish
- 19:00** Slalom award ceremony

##### 02.07.2022 - Pit Area

- 06:00** Ramp up for exhibitors if needed
- 10:00** Technical inspection start group 1 (non-slalom teams)
- 13:00** Late briefing (additional cost 25€ per person)
- 13:00** Technical inspection start group 2
- 15:00** Line up to qualification
- 16:00** Eco Grand Prix start

##### 03.07.2022 - Pit Area

- 16:00** Eco Grand Prix finish
- 17:00** Award Ceremony near the race office
- 18:00** Ramp down
- 21:00** Dinner with the eco Grand Prix crew (optional)

## // HOW TO WIN //

The challenge is how to drive the maximum number of laps having only 11kW chargers on site, the actual situation of power infrastructure at most race tracks.

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, Tesla Model 3 vs. Tesla Model 3, Tesla Model x vs Tesla Model X and so on.

Like always the easiest way to win is to check the participant list, to take a car no one other is taking and come to the start. If your car is the only one you will win in your category automatically, but you should take care to make as many laps as possible to set your record so that it won't be beaten next year.

Our recommendation is to charge at full speed. 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.

Cars start with 100% of their battery capacity counting the sum of laps driven in 24h. Speeding at the pit lane is leading to stop times at the Penalty Point Park Zone. Penalty points at the last hour

are horrible, they lead to the penalty that laps are subtracted instead. Cars running out of battery will get 1 lap subtracted if they don't reach the finish line even AFTER the 24h driving or make a shortcut entering the pit lane at the exit. Cars are only allowed to be toed in case they are officially declared as car out of battery. Towing without clearance from the eco Grand Prix race control will lead to the loss of 50% of the driven laps.

This competition enters the international and national eco Grand Prix Ranking so you will collect eco GP points which will be added to the total amount of collected points.

Due to the new systems, we are using – a development of our partner TRON IT Consulting, which is renting this system also to other events – we will be able to track the speed live and to count laps in any place of this world.

Eco Grand Prix competitions shall convince people to buy electric cars showcasing the huge real range they can drive even in mountain conditions driven by amateurs. We expect all teams and drivers to respect this higher goal helping each other to make the event an awesome one for everyone.

## // PARKING //

You will find the parking area following the signs **P**. Around this area there will be an exhibition of electric cars which can be watched, and test driven. The parking is for free. In case you would like to come with a Caravan or Motor-home, you should announce it upfront. The costs for parking a caravan are 25 Euros, power for one 220V socket included. The instructor in front of the gate will indicate where to park and won't let gas or hybrid cars enter the green area. Gas cars will park at **P**

There will be one 11kW Type 2 emergency charge station available for guests which are having to charge because of having a totally empty battery. We recommend all EVs to charge their cars to 80% at the nearby charge stations (check [www.electromaps.com](http://www.electromaps.com)) before coming.

Endurance participants are not allowed to leave the circuit until the end of the 24H endurance race. Slalom participants can leave the circuit at any time.

## // ACCESS //

To reach the Transilvania Motor Ring it is highly recommended not to trust the navigation system. Use the coordinates 46.428542, 24.442752 to reach the entry and follow the road.



The eco Grand Prix race office will be at the pit lane. You will not be able enter the pit area with your car without being registered as team. Anyone will be able to access the visitor zone by foot any time. The entry for exhibitors, visitors, fans, or team members is for free.

Only registered drivers with special bracelets will be allowed to drive with the participant cars, only registered guests with special bracelets will be allowed to test drive cars.

Media should come to the race office to be registered and will get the link to the press material they can download for free.

It is strictly forbidden for anyone but the marshals to enter the pit lane or charging area 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 one / two at slalom. Helmet is obligatory, it cannot be rented at the track.

## // CHARGING //

Participant cars will get access to 3 (three) phase AC chargers where AC charging will be possible at 11kW maximum. You should bring your own adaptor cables with you.

In case you want to charge DC you are allowed to bring your own equipment which can be connected to 11kW AC socket. In case there are more cars than plugs available the “first come first serve rule” counts having one single queue for all charging sockets. A Marshall will instruct where to go. You cannot reserve a queue place, only a waiting car in the queue is allowed to wait for himself to charge.

Technical specialists will possibly try to charge with special equipment. In case you destroy a socket or fuse this way you will have to pay for the damage or service technician having to come to switch it on again.

No external heating or cooling system is allowed to be placed in the car during the whole competition. The rule is to be understood that no additional system even battery powered is allowed to be in the car. The only exception are power banks attached to video cameras or filming smart-phones.

## // DRIVING //

The minimum three drivers of one team have to respect the resting rules.

One driver is allowed to drive maximum 4 hours and has to rest the amount of driven hours minimum before getting the clearance to restart again. This is controlled by our tracking system and the Marshalls. Every driver is allowed to drive 8 hours in total maximum. The hours include the waiting time from registration till start. Before starting you have to check in with your RFID and from this moment the time is counting on the side of the driver automatically by the system until he is checking out. Drivers can be changed any time as often as wanted.

Not respecting rest times will be penalized with waiting time, subtraction of laps or disqualifica-

tion of the team in extreme cases. You have to respect the traffic rules, speeding leads to penalties. The maximum speed allowed in the parking and pit area zone is 20km/h.

The integrated system will check the speed every two seconds and calculate automatically the penalty time. Speeding on the pit lane leads to penalty.

Not following penalties leads to harder penalties till disqualification.

The active safety car (blinking yellow light) is not allowed to be overtaken in any case.

## // TECHNICAL INSPECTION //

100% not modified standard electric cars are allowed to start in the standard class, modified class drive in their own class. The ecoGP stewards define the meaning of modified. There is no way to protest against this decision. In case of excessive speeding, the stewards can decide to introduce speeding limits during the event.

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 following the described schedule. Cars failing to be there in time risk to 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 themselves. Owners not allowing access to the Pit Bulls to check or mount needed equipment won't get the clearance to start.

## // 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 at the briefing will be the agreed ones for all participants.

Every member of the ecoGP teams agrees that all participating cars are valid competitors of the challenge.