

Take the Ene-1 Challenge

1. About Ene-1 Challenge

Race with your own electric car (compete for time and distance)

Powered by AA40 dry cell batteries! The event took place at Suzuka Circuit and Mobility Resort Motegi, the venue for Super GT and international races. Suzuka Circuit and Mobility Resort Motegi, are venues for “Super GT” and international races.



Power source for driving (AA batteries)

2. Ene-1 SUZUKA Challenge machine

Body Features

Frame Type : **Aluminum frame**

Driveline : **MITUBA motor**

Cowl : **Plastic corrugated fiberboard**

Control system moved to rear position



Machines competing in Suzuka RE22A

3. Suzuka Competition Result

July 31, 2022

Total of 96 cars run at Suzuka Circuit

Entered as RYUKOKU RACING

- Lap1 36'42"993
- Lap2 Stopped at 1000 m
- Lap3 19'13"31
- Overall ranking
72/96 units



Suzuka Entry Members

Cause of stop on the second lap of Suzuka

- Frame distortion, improperly installed brake levers
 - ↓
 - Brake pads contact motor deceleration
 - ↓
 - Large load on motor and drains battery
 - ↓
 - Insufficient torque to climb hills.



Stopped at Suzuka S-Corner

4. Ene-1 MOTEGI GP machine

New machine was built after the Suzuka event.

Body Features

- Frame type Newly made of wood
- Driving source: MITUBA motor
- Cowl Plastic cardboard
- Wiring between frame and cowl and installation of new breaker
- New battery box, rearrangement of wiring



Ene-1 MOTEGI GP machine RE22B

5. MOTEGI competition Result

October 8, 2022

Mobility Resort Motegi (Tochigi Prefecture) Total of 102 Cars.

- **Qualifier 19th**
- **Final 6th**
- **In category 4th**

6. For next year

- Rethink race/pace distribution
- Identification of fragile parts of the machine
- Research on battery charging methods that do not degrade batteries
- Making a cowl with less aerodynamic drag

Sponsors

