



HOSTED BY STANBOROUGH SLOT CAR CLUB | WD25 9JT

"Hypercar" Rules (v1.0a)



Eligible cars

- Any hypercar from a series since 2021 (aka FIA WEC or IMSA Sportscar Championship);
- 1/32 models allowed including Le Mans Hypercar HY and IMSA LMDh.

Body

- Must be commercially available and made of plastic;
- Lexan interiors are allowed;
- If a white kit is used, the body must be completely painted;
- The car livery should be representative of an authentic paint scheme that raced;
- Rear spoilers must be present at the start of every race;
- Minimum allowed mass (without screws) to be 20g.

Chassis and ride height

- Must be commercially available and made of plastic (3D printed chassis are free);
- Modifications can be sympathetically made to accommodate the digital chip (i.e. drilling a hole for the LED);
- Minimum ride height (measured at the start and under the centre of the motor) to be 1mm (and 0.5mm to the front).

Other parts

- Weight/ballast may be added but must be securely fixed to the inside of the chassis;
- Guide, braids, axles, bearings, spacers, stoppers, cables, lighting kit (should be fitted), and body screws are free.

Motor support and suspension

- Motor pod is free;
- Suspension is allowed and is free (except magnetic suspension);
- Traction magnets must be removed.

Motor and transmission

- Motor orientation is free;
- Two options: Slot.it Flat-6 (20,500rpm/200g-cm) with the closed side facing upwards or Slot.it MX16 V12/4 (23,000rpm/170g-cm);
- Motor should be insulated from the track rails through the retention of the wrapper or with tape;
- Pinion and gear/crown are free.

Wheels and tyres

- Front and rear wheels are free;
- Front tyres to be rubber and may be coated and/or trued;
- Front tyres to be minimum width 8mm, minimum diameter 18.5mm, and have a maximum width 10mm;
- Rear tyres to be BRM G25 19mm x 10mm (S-102SG) and may not be glued or treated (but can be trued);
- Rear tyres are handout only;
- Front and rear wheels to have either inserts or moulded/machined face.

Digital chip and firmware

- Any Slot.it oXigen chip (type B/C);
- Ferrite mat recommended between the chip and motor;
- Motor pod or interior may be sympathetically modified to accommodate the digital chip and/or antenna.
- Please check and run the latest firmware, currently:
 - SCP-3 controller (4.18f);
 - Power amplifier (4.16b);
 - Digital chip (4.12a).

Balance of performance (BoP)

- Minimum overall weight to be 72g;
- Maximum overall front or rear track width to be 64mm (with wheel/tyre edges contained within the widest point of the wheel arch).

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Race schedule

08.30	Track opens	WEC / IMSA
9.00 – 10.00	Free practice 1 (firmware updates, ID allocation etc.)	
10.00 – 10.30	Technical inspection (motor rpm, gauss, ride height, weight etc.)	
	Cars go into parc ferme	
10.30 – 11.00	Qualifying (2 x 15 minute slots)	
	Cars go into parc ferme	
11.00 – 12.00	Lunch	
12.00 – 16.00	Endurance race 1	
16.30	Track closes	

Endurance race format

- 4-hour team race;
- Participants to team-up (i.e. one driver and one marshal minimum);
- At least one mandatory pit-stop required (with no single driver stint greater than 2-hours);
- Overall winner determined by the total number of laps.

Race fees

- £20 per team;
- Fees do include one pair of tyres (additional tyres are available at cost, currently £3 per/pair).

Calendar

- Round 1 – 22nd February
- Round 2 – 26th April
- Round 3 – 28th June
- Round 4 – 30th August
- Round 5 – 25th October

Championship

- Best 4 of 5 results count;
- Points allocation:

1 st - 10	2 nd - 9	3 rd - 8	4 th - 7	5 th - 6
6 th - 5	7 th - 4	8 th - 3	9 th - 2	10 th or other - 1

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