



RACEGUIDE

2021 FIA WORLD ENDURANCE CHAMPIONSHIP



Manama, Kingdom of Bahrain, 2021 FIA World Endurance Championship • **Rounds 5 and 6**

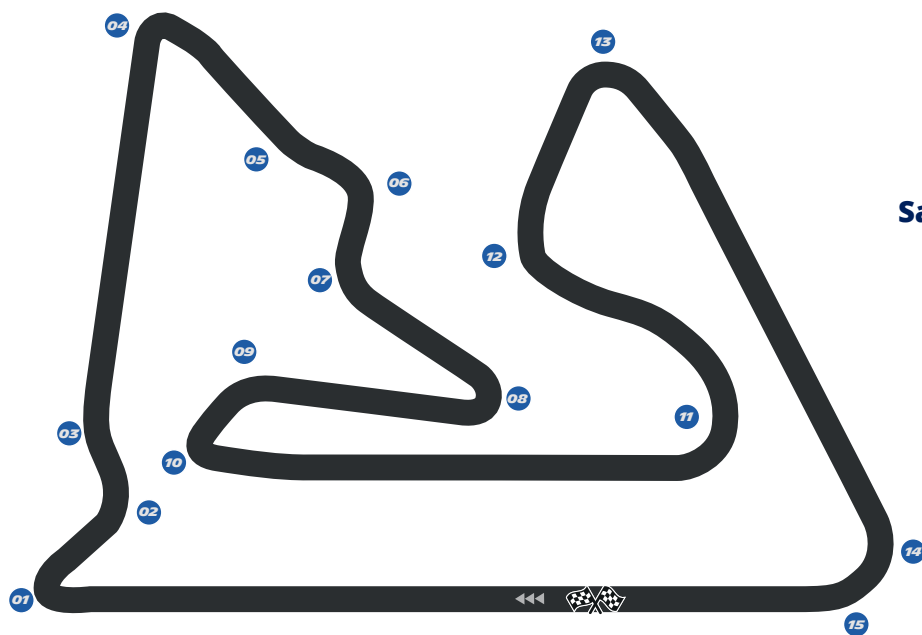
SATURDAY, OCTOBER 30



SATURDAY, NOVEMBER 6

6 HOURS OF BAHRAIN

8 HOURS OF BAHRAIN



37 ENTRIES

Sakhir International Circuit

Inaugurated in 2004

Desert setting

Track lit by 495 floodlights

5.412KM

**15
TURNS**



CLOCKWISE

ABRASIVE

Sakhir features few, if any, fast corners and is the most abrasive track visited by the championship. Its combination of slow and medium-fast turns calls for repeated heavy braking and hard re-acceleration which subject tires to high longitudinal forces.



THE 2021 6 AND 8 HOURS OF BAHRAIN

- » Added to the calendar following the 6 Hours of Fuji's cancellation
- » The FIA WEC's first-ever 'double-header' meeting
- » 63 points up for grabs at the Season 9 finale
- » Almost 23 hours of track time!
- » The 8 Hours of Bahrain takes place essentially after nightfall



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THE 2020 RACE



- » **Winners:** Conway/Kobayashi/Lopez
(Toyota TS050 Hybrid/Michelin), 263 laps
- » **Pole-position:** Conway/Kobayashi/Lopez
(Toyota TS050 Hybrid/Michelin), 1m40.747s
- » **Fastest race lap:** Mui Kobayashi
(Toyota TS050 Hybrid/Michelin, 1m42.637s)
- » **Top speed:** Paul di Resta
(Oreca07-Gibson/Michelin), 289.7kph
- » The Toyota TS050 Hybrid celebrated its final appearance with a one-two finish
- » A one-two finish for Porsche/Michelin in LMGTE Pro thanks to a double-stint strategy on its MICHELIN Pilot Sports
- » The title for Michelin in every class

TIMETABLE

6 HOURS OF BAHRAIN

THURSDAY, OCTOBER 28		
3:30pm	Free Practice 1	90 minutes
FRIDAY, OCTOBER 29		
8:00am	Free Practice 2	90 minutes
12:30pm	Free Practice 3	60 minutes
4:30pm	LMGTE Qualifying	10 minutes
4:50pm	Prototype Qualifying	10 minutes
SATURDAY, OCTOBER 30		
11:00am	Start, 6 Hours of Bahrain	

Local time - Source: flavesc.com - information subject to change

8 HOURS OF BAHRAIN

THURSDAY, NOVEMBER 4		
5:30pm	Free Practice 1	90 minutes
FRIDAY, NOVEMBER 5		
9:00am	Free Practice 2	90 minutes
1:20pm	Free Practice 3	60 minutes
5:20pm	LMGTE Qualifying	10 minutes
5:40pm	Prototype Qualifying	10 minutes
SATURDAY, NOVEMBER 6		
2:00pm	Start, 8 Hours of Bahrain	

Local time - Source: flavesc.com - information subject to change



PIERRE ALVES

Endurance Racing Program Manager
Michelin Motorsport

GRIP LEVELS WILL DIFFER FROM DAY TO DAY

"The first race in Bahrain takes place entirely in daylight, whereas the second includes five hours of nighttime action. We visit Bahrain a little earlier in the year this season and the weather promises to be up to 6 or 8°C hotter. Grip levels will differ from day to day as the track cleans and rubbers up. Lap times will therefore probably tumble over the second weekend, so our technicians and engineers will take a close look at the data and tires after the first race to help our partners to optimize the performance of their MICHELIN Pilot Sports for the campaign's last round. The Hypercar runners will be able to choose between our 'soft hot weather' and 'medium hot weather' compounds for both races, while our GTE partners have two separate choices. For the hotter six-hour daytime race, they will be able to run our 'medium' or 'medium hot weather' compound, and then either the soft or medium for the eight-hour round. This decision was taken in collaboration with the three makes involved in the classes where all the titles have yet to be settled."



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THE MICHELIN PILOT SPORT ENDURANCE RANGE FOR BAHRAIN

25 OF THE 37 CARS ON MICHELIN TIRES

**PERFORMANCE
MADE TO LAST**



SLICK
SOFT - SOFT HOT
MEDIUM - MEDIUM HOT



WET

ALLOCATION

	SLICKS Soft hot & Medium hot	INTERMEDIATES	WET Drying wet and full wet
HYPERCAR	31/71 - 18	31/71 - 18	31/71 - 18
	Glickenhause: Front: 29/71-18 • Rear: 34/71-18		
	SLICKS Soft, Medium and Medium hot	WET Drying wet and full wet	
LM GTE PRO	Front: 30/68 - 18 Rear: 31/71 - 18	Front: 30/68 - 18 Rear: 31/71 - 18	
	SLICKS Soft, Medium and Medium hot	WET Drying wet and full wet	
LM GTE AM	Front: 30/68 - 18 Rear: 31/71 - 18	Front: 30/68 - 18 Rear: 31/71 - 18	

Example: 31/71 - 18: width (cm) / exterior diameter (cm) x interior diameter (inches)

MICHELIN PILOT SPORT ENDURANCE SLICK ALLOWANCES

	Free Practice		Qualifying + Race	
	6 hours	8 hours	6 hours	8 hours
HYPERCAR	12 tires	12 tires	18 tires	26 tires
LM GTE PRO	12 tires	12 tires	18 tires	26 tires
LM GTE AM	16 tires	16 tires	26 tires	34 tires



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HYPERCAR

N°7	TOYOTA GAZOO RACING • GR010 Hybrid CONWAY/KOBAYASHI/LOPEZ	
N°8	TOYOTA GAZOO RACING • GR010 Hybrid BUEMI/NAKAJIMA/HARTLEY	
N°36	ALPINE ELF MATMUT • Alpine A480-Gibson NEGRAO/LAPIERRE/VAXIVIÈRE	

LM P2

N°1	RICHARD MILLE RACING • Oreca07-Gibson CALDERON/FLOERSH/VISSER	
N°20	HIGH CLASS RACING • Oreca07-Gibson KUBICA/FJORDBACH/ANDERSEN	
N°21	DRAGONSPEED USA • Oreca07-Gibson HEDMAN/MONTOYA/HANLEY	
N°22	UNITED AUTOSPORTS USA • Oreca07-Gibson HANSON/SCHERER/ALBUQUERQUE	
N°28	JOTA • Oreca07-Gibson GELAE/VANDOORNE/BLOMQUIST	
N°29	RACING TEAM NEDERLAND • Oreca07-Gibson VAN EERD/VAN DER GARDE/VAN UITERT	
N°31	TEAM WRT • Oreca07-Gibson FRIJNS/HABSBURG-LOTHRINGEN/MILESI	
N°34	INTER EUROPOL COMPETITION • Oreca07-Gibson SMIECHOWSKI/VAN DER ZANDE/BRUNDLE	
N°38	JOTA • Oreca07-Gibson GONZALEZ/DA COSTA/DAVIDSON	
N°44	ARC BRATISLAVA • Ligier JSP217-Gibson KONOPKA/WEBB/MAINI	
N°70	REAL TEAM RACING • Oreca07-Gibson GARCIA/DUVAL/NATO	

LM GTE PRO

N°51	AF CORSE • Ferrari 488 GTE Evo CALADO/PIER GUIDI	
N°52	AF CORSE • Ferrari 488 GTE Evo SERRA/MOLINA	
N°91	PORSCHE GT TEAM • Porsche 911 RSR-19 BRUNI/LIETZ/MAKOVIECKI	
N°92	PORSCHE GT TEAM • Porsche 911 RSR-19 ESTRE/JANI/CHRISTENSEN	

LM GTE AM

N°33	TF SPORT • Aston Martin Vantage KEATING/PEREIRA/FRAGA	
N°46	TEAM PROJECT 1 • Porsche 911 RSR OLSEN/TBA/TBA	
N°47	CETILAR RACING • Ferrari 488 GTE Evo LACORTE/SERNAGIOTTO/FUOCO	
N°54	AF CORSE • Ferrari 488 GTE Evo FLOHR/CASTELLACCI/FISICHELLA	
N°56	TEAM PROJECT 1 • Porsche 911 RSR PERFETTI/CAIROLI/PERA	
N°57	KESSEL RACING • Ferrari 488 GTE Evo KIMURA/JENSEN/ANDREWS	
N°60	IRON LYNX • Ferrari 488 GTE Evo SCHIAVONI/PICCINI/CRESSONI	
N°77	DEMPSEY-PROTON RACING • Porsche 911 RSR-19 RIED/EVANS/CAMPBELL	
N°83	AF CORSE • Ferrari 488 GTE Evo PERRODO/NIELSEN/ROVERA	
N°85	IRON LYNX • Ferrari 488 GTE Evo FREY/BOVY/LEGGE	
N°86	GR RACING • Porsche 911 RSR-19 WAINWRIGHT/BARKER/GAMBLE	
N°88	DEMPSEY-PROTON RACING • Porsche 911 RSR-19 AL QUBAIS/DE LEENER/ANDLAUER	
N°98	ASTON MARTIN RACING • Aston Martin Vantage DALLA LANA/FARFUS/GOMES	
N°777	D'STATION RACING • Aston Martin Vantage HOSHINO/FUJII/WATSON	

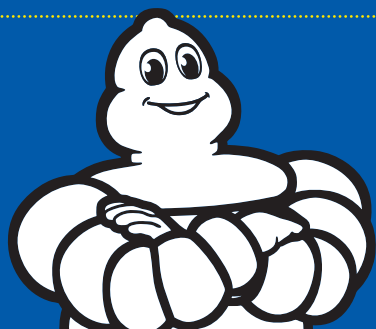
BAHRAIN TRIVIA

- » Bahrain is a Persian Gulf archipelago made up of 33 islands
- » The main island is connected to Saudi Arabia by the King Fahd Causeway
- » Bahrain's capital Manama is situated in the north of the country
- » Sakhir International Circuit was built in a desert (92% of the country is desert)
- » Sakhir Palace is a huge palace near Zallaq and was built in 1901



MICHELIN AND BAHRAIN

- » In 2004, Bahrain became the first Gulf state to host a Formula 1 grand prix
- » Michelin won the F1 grands prix at Sakhir in 2005 and 2006 with Fernando Alonso
- » Michelin has enjoyed victory at Sakhir with all the Hybrid LMP1 prototypes to have been produced (Audi R18 e-tron quattro, Porsche 919 Hybrid, Toyota TS030/TS040/TS050 Hybrid)
- » A Rookie Test will be held at Sakhir on Sunday, November 7



MICHELIN STATISTIC

Michelin has been involved in the FIA World Endurance Championship since the creation of the series in 2012. Its tires have won every one of the 70 races run to date, with 34 different drivers who have clocked up a total of 116,055.37 kilometers in 604 hours 59 minutes and 17 seconds.

PREVIOUS 8 HOURS OF BAHRAIN WINNERS

2012



Tréluyer/Fässler/Lotterer
(Audi R18 e-tron quattro 🏆)

2014

Wurz/Sarrazin/Conway
(Toyota TS040 Hybrid 🏆)

2017

Buemi/Davidson/
Nakajima
(Toyota TS050 Hybrid 🏆)

2015

Dumas/Jani/Lieb
(Porsche 919 Hybrid 🏆)

2019

Conway/Kobayashi/Lopez
(Toyota TS050 Hybrid 🏆)

2013

Davidson/Buemi/
Sarrazin
(Toyota TS030 Hybrid 🏆)

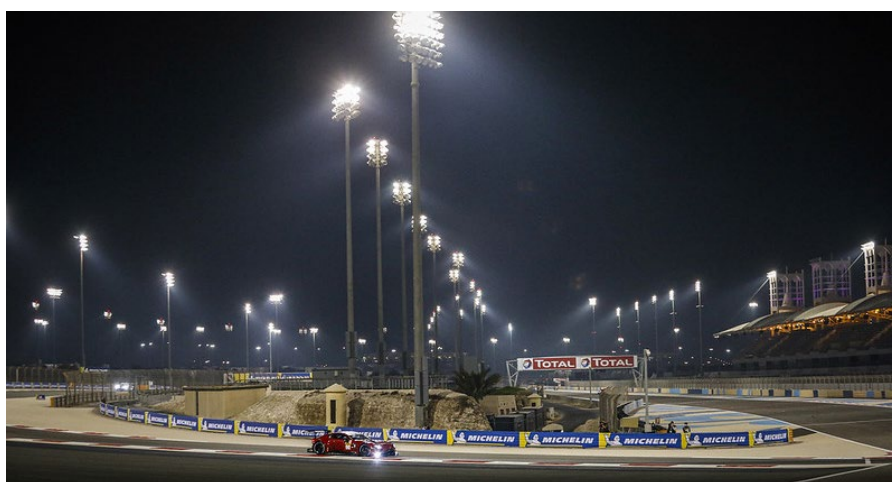
2016

Di Grassi/Duval/Jarvis
(Audi R18 🏆)

2020

Conway/Kobayashi/
Lopez
(Toyota TS050 Hybrid 🏆)









LAP RECORD: Lucas di Grassi (Audi R18 🏆), 1m38.828s (2016)














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WORLD ENDURANCE HYPERCAR CHAMPIONSHIP

HYPERCAR MANUFACTURERS										TOTAL
				01/05	13/06	18/07	21-22/08	30/10	6/11	
1 st	TOYOTA GAZOO RACING			26	38	26	51	0	0	141
2 nd	ALPINE ELF MATMUT			18	24	18	30	0	0	90
3 rd	GLICKENHAUS			0	1	12	24	0	0	37










HYPERCAR DRIVERS										TOTAL
				01/05	13/06	18/07	21-22/08	30/10	6/11	
1 st	JOSE MARIA LOPEZ			16	27	26	51	0	0	120
1 st	KAMUI KOBAYASHI			16	27	26	51	0	0	120
1 st	MIKE CONWAY			16	27	26	51	0	0	120
2 nd	BRENDON HARTLEY			25	38	12	36	0	0	111
2 nd	KAZUKI NAKAJIMA			25	38	12	36	0	0	111
2 nd	SÉBASTIEN BUEMI			25	38	12	36	0	0	111
3 rd	ANDRÉ NEGRÃO			18	24	18	30	0	0	90
3 rd	MATTHIEU VAXIVIERE			18	24	18	30	0	0	90
3 rd	NICOLAS LAPIERRE			18	24	18	30	0	0	90
















GT FIA WORLD ENDURANCE CHAMPIONSHIP

GT MANUFACTURERS										TOTAL
				01/05	13/06	18/07	21-22/08	30/10	6/11	
1 st	FERRARI			33	65	30	75	0	0	203
2 nd	PORSCHE			38	42	41	66	0	0	187

GT DRIVERS										TOTAL
				01/05	13/06	18/07	21-22/08	30/10	6/11	
1 st	ALESSANDRO PIER GUIDI			18	38	18	50	0	0	124
1 st	JAMES CALADO			18	38	18	50	0	0	124
2 nd	KEVIN ESTRE			26	24	26	36	0	0	112
2 nd	NEEL JANI			26	24	26	36	0	0	112
3 rd	GIANMARIA BRUNI			12	18	15	30	0	0	75
3 rd	RICHARD LIETZ			12	18	15	30	0	0	75

FIA ENDURANCE TROPHY - GTE AM

GTE AM MANUFACTURERS										TOTAL
				01/05	13/06	18/07	21-22/08	30/10	6/11	
1 st	AF CORSE			25	2	25	50	0	0	102
2 nd	TF SPORT			19	9	1,5	36	0	0	65,5
3 rd	CETILAR RACING			15	38	1	-	0	0	28

GTE AM DRIVERS										TOTAL
				01/05	13/06	18/07	21-22/08	30/10	6/11	
1 st	ALESSIO ROVERA			25	2	25	50	0	0	102
1 st	FRANÇOIS PERRODO			25	2	25	50	0	0	102
1 st	NICKLAS NIELSEN			25	2	25	50	0	0	102
2 nd	BEN KEATING			19	9	1,5	35	0	0	65,5
2 nd	DYLAN PEREIRA			19	9	1,5	35	0	0	65,5
2 nd	FELIPE FRAGA			19	9	1,5	35	0	0	65,5
3 rd	ANTONIO FUOCO			15	38	1	-	0	0	54
3 rd	GIORGIO SERNAGIOTTO			15	38	1	-	0	0	54
3 rd	ROBERTO LACORTE			15	38	1	-	0	0	54

CALENDAR 2021



MAY 1

6 Hours of
Spa-Francorchamps



JUNE 13

8 Hours of Portimão



JULY 18

6 Hours of Monza



AUGUST 21-22

24 Hours of Le Mans



OCTOBER 30

6 Hours of Bahrain



NOVEMBER 6

8 Hours of Bahrain

FIA WEC TIRE REGULATIONS

SLICK TIRES

Non-hybrid LM P1 and LM P2 cars: 3 types of slick for the season for all the cars / 2 types of slick to be nominated 48 hours before the Prologue test / 2 types of slick for each race (from the above 3) to be nominated 48 hours before the start of scrutineering (3 types of slick for Le Mans).

LM GTE Pro and LM GTE Am:

3 types of slick per model for the season / 2 types of slick to be nominated 48 hours before the Prologue test / 1 additional type of slick can be registered in the course of the season / 2 types of slick for each race (from the above 3) to be nominated 48 hours before the start of scrutineering (3 types of slick for Le Mans).

RAIN AND INTERMEDIATE TIRES

Can only be used if Race Control declares the track to be wet (free practice, qualifying, race). No quotas per race.

LM P2: 1 type of intermediate tire and 1 type of rain tire for the season for all cars entered 48 hours before the Prologue. The re-cutting of tread patterns is not authorised.

LM GTE Am: 1 type of intermediate tire and 1 type of rain tire per model entered 48 hours before the Prologue. The re-cutting of tread patterns is not authorised.

In the course of the season, a competitor may change tire brand no more than once.

Penalty: a 3-minute Stop&Go penalty for tire regulation breaches

A maximum of 4 mechanics and 2 tire guns for wheel changes during pit stops. A car's tires may only be changed once it has been refuelled.

1 tire technician is authorised to carry out a visual inspection of the tires and check their pressures.

Tire changes are only authorised a) on the grid up to the three-minute board, b) in front of the car's garage during a pit stop or inside the garage in the case of longer work on the car, c) on the track if the race is suspended.

Tires are identified by RFID chips and bar codes. All tire serial numbers must be communicated to the Technical Delegates 48 hours in advance.



* on Michelin pilot tire range. Legal mention on michelin.com



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