

# RACECARD

2019 PARIS E-PRIX



**SATURDAY  
APRIL 27**

**2019**

**ROUND 8  
2018/2019  
ABB FIA FORMULA E  
CHAMPIONSHIP**

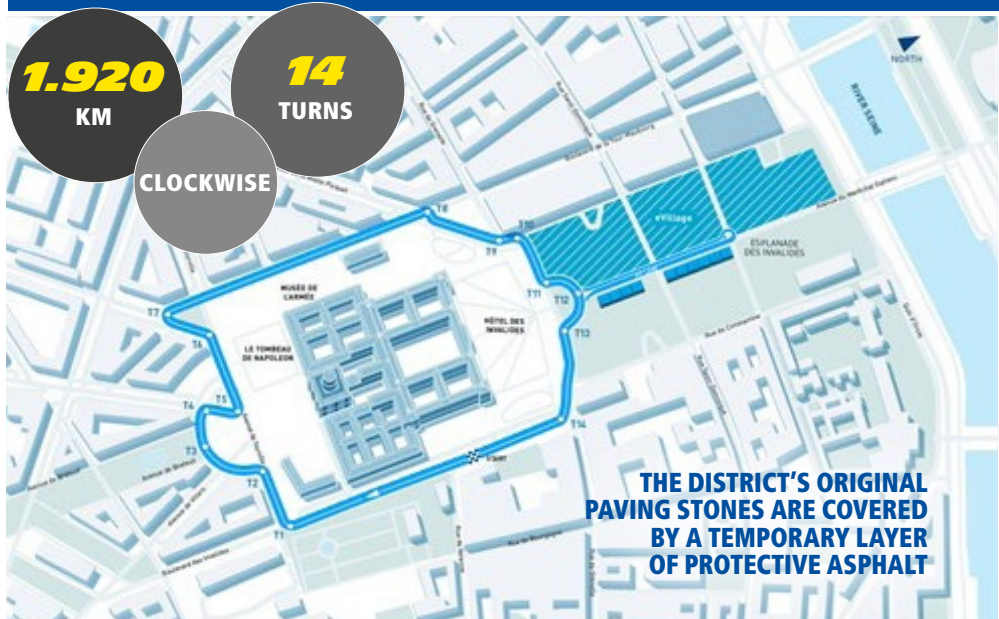
**ROUND 6:  
JAGUAR I-PACE  
ETROPHY**

**4<sup>TH</sup> RUNNING**

**PARIS  
FRANCE**



## THE CIRCUIT



### THE 2018 PARIS E-PRIX

**WINNER:**

Jean-Eric Vergne (Techeetah/Michelin), 49 laps

**POLE POSITION:**

Jean-Eric Vergne (Techeetah/Michelin), 1m1.144s

**FASTEST RACE  
LAP:**

Lucas di Grassi (Audi Sport Abt Schaeffler/Michelin), 1m2.367s



Championship leader Jean-Eric Vergne led from flag to flag

Sam Bird came 3<sup>rd</sup> despite tangling with Lotterer moments before the finish line

### PREVIOUS PARIS E-PRIX WINNERS

2015/2016  
Lucas di Grassi  
(Abt Schaeffler Audi Sport/Michelin)

2016/2017  
Sébastien Buemi  
(Renault e.dams/Michelin)

2017/2018  
Jean-Eric Vergne  
(Techeetah/Michelin)



### TIMETABLE

**FRIDAY, APRIL 26**

<b>2:00pm</b>	20 minutes	Shakedown (I-Pace eTrophy)
<b>3:30pm</b>	30 minutes	Shakedown (Formula E)
<b>4:30pm</b>	40 minutes	Free Practice (I-Pace eTrophy)

**SATURDAY, APRIL 27**

<b>7:30am</b>	45 minutes	Free Practice 1 (Formula E)
<b>8:35am</b>	30 minutes	Qualifying (I-Pace eTrophy)
<b>10:00am</b>	30 minutes	Free Practice 2 (Formula E)
<b>11:45am</b>	30 minutes	Qualifying (Formula E)
<b>12:30pm</b>	20 minutes	Super Pole (Formula E)
<b>2:00pm</b>	25 minutes + 1 lap	Race (I-Pace eTrophy)
<b>4:03pm</b>	45 minutes + 1 lap	Paris E-Prix
<b>5:00pm</b>		Podium ceremony

LOCAL TIME



## THE PARIS E-PRIX AND MOTOR RACING

- » Founded in 1895, the Automobile Club de France is the world's oldest automobile club
- » The last Paris Grand Prix took place in the Bois de Boulogne woods in 1951 (winner: Giuseppe Farina, Maserati)
- » The 2016 Paris E-Prix was the first motor race to be held in Paris since 1951
- » France hosts a round of four FIA world championships: F1, WRC, WEC and WRX
- » The headquarters of the FIA (Fédération Internationale de l'Automobile) are in Paris (Place de la Concorde)
- » 19 French drivers have won world titles and 9 have won world cups in a variety of motorsport disciplines
- » 120 years ago, near Paris, on April 29, 1899, the Michelin-equipped Jamais Contente became the first electric car to exceed 100kph



## THE PARIS E-PRIX AND RENEWABLE ENERGY

- » Anne Hidalgo, the Mayor of Paris, has set the target of there being no combustion-engined vehicles in Paris by 2030
- » The proportion of renewable energies consumed in France increased by 69 percent from 1990 to 2016
- » In January, electric-vehicle registrations were up 93 percent in France
- » There were 39,158 electric vehicles on the road in France in 2018 (market share: 1.5%)

- » Three companies run electric-vehicle car-sharing schemes in Paris (1,400 vehicles)
- » Motorists have access to 1,000 battery-charging stations in Paris

## PARIS TRIVIA

- » Paris is often referred to as the City of Light
- » Paris is twinned with Rome which hosted the previous round of the Formula E Championship
- » The population of the greater Paris region is around 7 million. The city itself has a population of 12.2 million
- » The Hôtel National des Invalides was inaugurated in 1679. It houses a hospital and a church. Today, it is home to France's Army Museum and the tomb of Napoléon 1
- » The Esplanade des Invalides hosted the 1900 Exposition Universale where the all-electric Lohner-Porsche caused a sensation
- » The Esplanade des Invalides is within easy walking distance of the French Parliament (Palais Bourbon), the Louvre, the Eiffel Tower and the Champs-Élysées



## MICHELIN GREEN GUIDE

Discover the City of Light with Michelin's Green Guide/Guide Vert collection: Paris, Week&Go Paris, Idées de Promenades à Paris (Ideas for Walks in Paris)



## LOOKING FOR A GOOD RESTAURANT?



### SERGE GRISIN

Formula E Programme Manager, Michelin Motorsport

**"IT CAN BE QUITE DIRTY TO BEGIN WITH BUT THERE IS A LITTLE MORE GRIP THAN AT MOST STREET CIRCUITS."**

The backdrop to the Paris E-Prix is the Hôtel des Invalides which provides a unique visual signature. The circuit loops around the famous landmark, forming a sort of rectangle with rounded turns

around the roundabouts. It isn't easy to overtake in Paris and the final straight is very bumpy. It's not a very hard track for tyres. It can be quite dirty to begin with but there is a little more grip than at most street circuits.

## MICHELIN AND THE 2019 PARIS E-PRIX

### TECHNICAL DATA

**MICHELIN PILOT SPORT**  
FRONT: 245/40R18  
REAR: 305/40R18

Developed specifically for the FIA Formula E Championship

The first 18-inch single-seater racing tyre

The first single-seater racing tyre capable of competing in dry and wet conditions

The first tyre capable of lasting the full race distance



<b>Size (front/rear)</b>	24/64-18 / 27/68-18
<b>Width (front/rear)</b>	245mm / 305mm
<b>Tread width (front/rear)</b>	240mm / 270mm
<b>Side wall height (front/rear)</b>	98mm / 122mm (i.e. 40 percent of tread width)
<b>Rim diameter</b>	18 inches
<b>Weight (front/rear)</b>	8kg / 9.9kg
<b>Type of tread pattern</b>	Asymmetric, non-directional
<b>Usage</b>	Circuits, street circuits, asphalt, concrete, wet or dry weather
<b>Number of tyres taken to each race</b>	176 (22 cars x 8 tyres)
<b>Weight saving (compared with the MICHELIN Pilot Sport EV)</b>	Front: 2kg Rear: 2.5kg





# MICHELIN PILOT SPORT

THE REVOLUTIONARY NEW  
MICHELIN PILOT SPORT:  
LIGHTER AND MORE ENERGY-  
EFFICIENT THAN EVER

## A REVOLUTIONARY RACING TYRE, IN MORE WAYS THAN ONE!

Developed specifically for the world's first all-electric single-seater motor racing championship, the new MICHELIN Pilot Sport is an exceptionally versatile tyre that was designed by Michelin Motorsport's engineers to cover the entire race day (free practice, qualifying, race), whatever the weather, as required by the technical regulations that govern the series.

Another exceptional characteristic of the tyre is its size. The MICHELIN Pilot Sport was effectively the first ever single-seater tyre to feature an interior diameter of 18 inches, a disruptive concept put forward by Michelin Motorsport and approved by the FIA (Fédération Internationale Automobile). The fact that 18-inch wheels have become a common

feature of road cars enables Michelin Motorsport's engineers and chemists to carry over the lessons they learn on the racetrack to everyday tyres, in keeping with the firm's 'track to street' policy.

The MICHELIN Pilot Sport (front: 245/40 R 18 / rear: 305/40 R 18) is tall and narrow in the interests of energy efficiency, which equates to longer range. Its low sidewalls also flex less, resulting in the generation of less heat, which in turn means reduced energy consumption, a valuable benefit for Formula E's latest-generation 'Gen2' Spark SRT 05Es.

The MICHELIN Pilot Sport is a connected tyre, too, thanks to an embedded RFID chip which facilitates tracking, from production through to recycling.



## MICHELIN PILOT SPORT: THE WINNING TYRE RANGE



### FRONT

#### Size

24/64-18 equivalent to 245/40R18

#### Side wall height

40% - 98mm



### Usage

Wet or dry weather

### Type of tread pattern

Asymmetric, non-directional

### Rim diameter

18 inches



### REAR

#### Size

27/68-18 equivalent to 305/40R18

#### Side wall height

40% - 122mm



# ENTRY LIST 2019 PARIS E-PRIX

## ENVISION VIRGIN RACING AUDI E-TRON FE05



### N°2 SAM BIRD (GBR)

Victory: 8      Fastest race laps: 5  
Pole position: 5      Podium: 17



### N°4 ROBIN FRIJNS (NLD)

Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 3

## PANASONIC JAGUAR RACING JAGUAR I – TYPE III



### N°3 ALEX LYNN (GBR)

Victory: 0      Fastest race laps: 0  
Pole position: 1      Podium: 0



### N°20 MITCH EVANS (NZL)

Victory: 1      Fastest race laps: 1  
Pole position: 1      Podium: 2

## HWA RACELAB VENTURI VFE05

ROOKIE



### N°5 STOFFEL VANDOORNE (BEL)

Victory: 0      Fastest race laps: 0  
Pole position: 1      Podium: 1

ROOKIE



### N°17 GARY PAFFETT (GBR)

Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 0

## GEOX DRAGON PENSKE EV-3



### N°6 MAX GÜNTHER (DEU)

Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 0



### N°7 JOSE-MARIA LÓPEZ (ARG)

Victory: 0      Fastest race laps: 1  
Pole position: 0      Podium: 2

## NIO FORMULA E TEAM NIO SPORT 004



### N°8 TOM DILLMANN (FRA)

Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 0



### N°16 OLIVER TURVEY (GBR)

Victoires : 0      Fastest race laps: 0  
Pole position: 1      Podium: 1

## VENTURI FORMULA E TEAM VENTURI FVE05

ROOKIE



### N°19 FELIPE MASSA (BRA)

Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 0



### N°48 EDOARDO MORTARA (CHE)

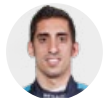
Victory: 1      Fastest race laps: 0  
Pole position: 0      Podium: 3

## NISSAN E.DAMS NISSAN IM01



### N°22 OLIVER ROWLAND (GBR)

Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 1



### N°23 SÉBASTIEN BUEMI (CHE)

Victory: 12      Fastest race laps: 9  
Pole position: 12      Podium: 21

## DS TECHEETAH DS E-TENSE FE19



### N°25 JEAN-ERIC VERGNE (FRA)

Victory: 6      Fastest race laps: 3  
Pole position: 8      Podium: 16



### N°36 ANDRÉ LOTTERER (DEU)

Victory: 0      Fastest race laps: 3  
Pole position: 1      Podium: 3

## BMW I ANDRETTI MOTORSPORT BMW IFE.18

ROOKIE



### N°27 ALEXANDER SIMS (GBR)

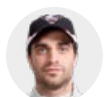
Victory: 0      Fastest race laps: 0  
Pole position: 0      Podium: 0



### N°28 ANTONIO FELIX DA COSTA (PRT)

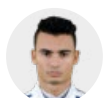
Victory: 2      Fastest race laps: 0  
Pole position: 1      Podium: 4

## MAHINDRA RACING MAHINDRA M5ELECTRO



### N°64 JÉRÔME D'AMBROSIO (BEL)

Victory: 3      Fastest race laps: 1  
Pole position: 2      Podium: 8

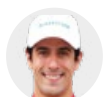


ROOKIE

### N°94 PASCAL WEHRLEIN (DEU)

Victory: 0      Fastest race laps: 1  
Pole position: 0      Podium: 1

## AUDI SPORT ABT SCHAEFFLER FORMULA E TEAM AUDI E-TRON FE05



### N°11 LUCAS DI GRASSI (BRA)

Victory: 9      Fastest race laps: 4  
Pole position: 3      Podium: 28



### N°66 DANIEL ABT (DEU)

Victoire : 2      Fastest race laps: 6  
Pole position: 2      Podium: 9



# FIA FORMULA E

## DRIVERS STANDINGS

															TOT.
		SAU 15/12	MAR 12/01	CHL 26/01	MEX 16/02	HKG 10/03	CHN 23/03	ITA 13/04	FRA 27/04	MCO 11/05	DEU 25/05	CHE 22/06	USA 13/07	USA 14/07	
1	▲ 64 <b>J. D'AMBROSIO (BEL)</b> MAHINDRA RACING	15	25	1	12	0	8	4	-	-	-	-	-	-	65
2	▼ 28 <b>A. DA COSTA (PRT)</b> BMW I ANDRETTI MOTORSPORT	28	0	0	18	1	15	2	-	-	-	-	-	-	64
3	▲ 36 <b>A. LOTTERER (DEU)</b> DS TECHEETAH FORMULA E TEAM	11	8	0	10	0	12	21	-	-	-	-	-	-	62
4	▲ 20 <b>M. EVANS (GBR)</b> PANASONIC JAGUAR RACING	12	2	8	6	6	2	25	-	-	-	-	-	-	61
5	● 11 <b>L. DI GRASSI (BRA)</b> AUDI SPORT ABT SCHAEFFLER	2	7	0	25	18	0	6	-	-	-	-	-	-	58
6	▲ 4 <b>R. FRIJNS (NLD)</b> ENVISION VIRGIN RACING	0	18	10	0	15	0	12	-	-	-	-	-	-	55
7	▼ 25 <b>J.E. VERGNE (FRA)</b> DS TECHEETAH FORMULA E TEAM	18	10	0	0	0	26	0	-	-	-	-	-	-	54
8	▼ 2 <b>S. BIRD (GBR)</b> ENVISION VIRGIN RACING	0	18	25	2	9	0	0	-	-	-	-	-	-	54
9	▼ 48 <b>E. MORTARA (CHE)</b> VENTURI FORMULA E TEAM	0	0	12	15	25	0	0	-	-	-	-	-	-	52
10	▼ 66 <b>D. ABT (DEU)</b> AUDI SPORT ABT SCHAEFFLER	4	1	16	1	12	10	0	-	-	-	-	-	-	44
11	▼ 94 <b>P. WEHRLEIN (DEU)</b> MAHINDRA RACING	-	0	18	12	0	6	1	-	-	-	-	-	-	37
12	● 22 <b>O. ROWLAND (GBR)</b> NISSAN E.DAMS	6	0	0	0	0	21	8	-	-	-	-	-	-	35
13	● 23 <b>S. BUEMI (CHE)</b> NISSAN E.DAMS	8	4	3	0	0	4	11	-	-	-	-	-	-	30
14	▲ 5 <b>S. VANDOORNE (BEL)</b> HWA RACELAB	0	0	0	0	3	0	15	-	-	-	-	-	-	18
15	▼ 27 <b>A. SIMS (GBR)</b> BMW I ANDRETTI MOTORSPORT	0	12	6	0	0	0	0	-	-	-	-	-	-	18
16	▼ 19 <b>F. MASSA (BRA)</b> VENTURI FORMULA E TEAM	0	0	0	4	10	1	0	-	-	-	-	-	-	15
17	▼ 16 <b>O. TURVEY (GBR)</b> NIO FORMULA E TEAM	0	0	4	0	2	0	0	-	-	-	-	-	-	6
18	▼ 17 <b>G. PAFFETT (GBR)</b> HWA RACELAB	0	0	0	0	4	0	0	-	-	-	-	-	-	4
19	● 7 <b>J.M. LÓPEZ (ARG)</b> GEOX DRAGON	0	0	2	0	0	0	0	-	-	-	-	-	-	2
20	● 3 <b>N. PIQUET JR. (BRA)</b> PANASONIC JAGUAR RACING	1	0	0	0	0	0	-	-	-	-	-	-	-	1
21	● 8 <b>T. DILLMANN (FRA)</b> NIO FORMULA E TEAM	0	0	0	0	0	0	0	-	-	-	-	-	-	0
22	● 6 <b>M. GÜNTHER (DEU)</b> GEOX DRAGON	0	0	0	0	-	-	-	-	-	-	-	-	-	0
23	▲ 3 <b>A. LYNN (GBR)</b> PANASONIC JAGUAR RACING	0	0	-	-	-	-	-	-	-	-	-	-	-	0
24	▼ 6 <b>F. NASR (BRA)</b> GEOX DRAGON	-	-	-	0	0	0	-	-	-	-	-	-	-	0
25	▼ 94 <b>F. ROSENQVIST (SWE)</b> MAHINDRA RACING	0	-	-	-	-	-	-	-	-	-	-	-	-	0



# FIA FORMULA E

## TEAMS STANDINGS

		SA 15/12	MA 12/01	CL 26/01	MX 16/02	HK 10/03	CN 23/03	IT 13/04	FR 27/04	MC 11/05	DE 25/05	CH 22/06	US 13/07	US 14/07	TOT.
1	▲ DS TECHEETAH FORMULA E TEAM	29	18	0	10	0	38	21	-	-	-	-	-	-	116
2	▼ ENVISION VIRGIN RACING	0	36	35	2	24	0	12	-	-	-	-	-	-	109
3	▼ MAHINDRA RACING	15	25	19	24	0	14	5	-	-	-	-	-	-	102
4	▼ AUDI SPORT ABT SCHAEFFLER	6	8	16	26	30	10	6	-	-	-	-	-	-	102
5	● BMW I ANDRETTI MOTORSPORT	28	12	6	18	1	15	2	-	-	-	-	-	-	82
6	● VENTURI FORMULA E TEAM	0	0	12	19	35	1	0	-	-	-	-	-	-	67
7	● NISSAN E.DAMS	14	4	3	0	0	25	19	-	-	-	-	-	-	65
8	● PANASONIC JAGUAR RACING	13	2	8	6	6	2	25	-	-	-	-	-	-	62
9	● HWA RACELAB	0	0	0	0	7	0	15	-	-	-	-	-	-	22
10	● NIO FORMULA E TEAM	0	0	4	0	2	0	0	-	-	-	-	-	-	6
11	● GEOX DRAGON	0	0	2	0	0	0	0	-	-	-	-	-	-	2

# REGULATIONS

## 2018/2019 ABB FIA FORMULA E CHAMPIONSHIP

### CARS (SINGLE-SEATERS)

- » **Spark STR-05e / chassis:** Dallara / battery: McLaren Applied Technologies
- » **Maximum length:** 5,200mm,
- » **Maximum width:** 1,800mm,
- » **Maximum height:** 1,250mm
- » **Minimum weight:** 900kg, including driver and battery/capacitor (385kg)
- » **Maximum power, electric powertrain:** 250kW (335hp) for free practice and qualifying, 200kW (270hp) during races.
- » 2 MGUs can be used
- » **Allocation per race number:** 2 electric motors, 2 gearboxes, 2 inverters and 1 battery pack for the season

### TYRES

- » A single type of tyre (pattern and construction)
- » No mid-race tyre changes
- » 4 new front tyres and 4 new rear tyres per driver per event
- » Can be inflated using air only
- » Minimum tyre pressure: 1.3 & 1.6 bar (measured at the end of races)
- » Tyre warmers not authorised

### EVENT FORMATS

- » A **Shakedown** session of a maximum duration of 30 minutes may be organised the day before the race. Power is restricted to 110kW. A maximum of six laps per car
- » **Practice:** Two practice sessions (45 and 30 minutes) in the course of the morning of Race Day. Maximum power: 250kW
- » **Qualifying:** The drivers are divided into four

groups as a function of their championship positions (or of the previous championship order in the case of the season's first race). Each driver has six minutes and up to two flying laps to post a qualifying time. The six fastest drivers go on to take part in the Super Pole shootout. Maximum power: 250kW

- » **Super Pole:** Start order is based on the times posted in qualifying, with the 'slowest driver' to lap first, etc. One flying lap only
- » **Grid:** The six places at the front of the grid are reserved for the drivers who take part in the Super Pole session
- » **Race:** Standing start. Maximum duration: 45 minutes + 1 lap. Use of two power outputs mandatory: Normal Mode (200kW / regeneration: 250kW) and Attack Mode (225 kW / regeneration: 250kW) which must be activated twice per race, for a period of four minutes. The car's halo head protection device lights up (Blue) when the Attack Mode is activated
- » **Attack Mode:** For the 2018/2019 season, drivers have two power options during the race: Normal Mode (200kW) and Attack Mode (225kW). Attack Mode must be activated twice per race. To trigger it, the driver must run off the ideal racing line through the corner specified for this purpose by the race organiser, a little like in Mario Kart. Attack Mode is activated for four minutes. The car's halo head protection device lights up when it is activated
- » **FanBoost:** A temporary 100kJ power boost (240kW-250kW) for five drivers chosen by a fan vote. To be activated once when in Attack Mode. The car's halo head protection device lights up (Magenta)



### POINTS-SCORING SYSTEM

RACE  
 1<sup>st</sup>: 25 points / 2<sup>nd</sup>: 18 points / 3<sup>rd</sup>: 15 points  
 4<sup>th</sup>: 12 points / 5<sup>th</sup>: 10 points / 6<sup>th</sup>: 8 points  
 7<sup>th</sup>: 6 points / 8<sup>th</sup>: 4 points / 9<sup>th</sup>: 2 points  
 10<sup>th</sup>: 1 point  
 POLE POSITION 3 points  
 FASTEST RACE LAP 1 point  
 (if a top-10 finisher)

