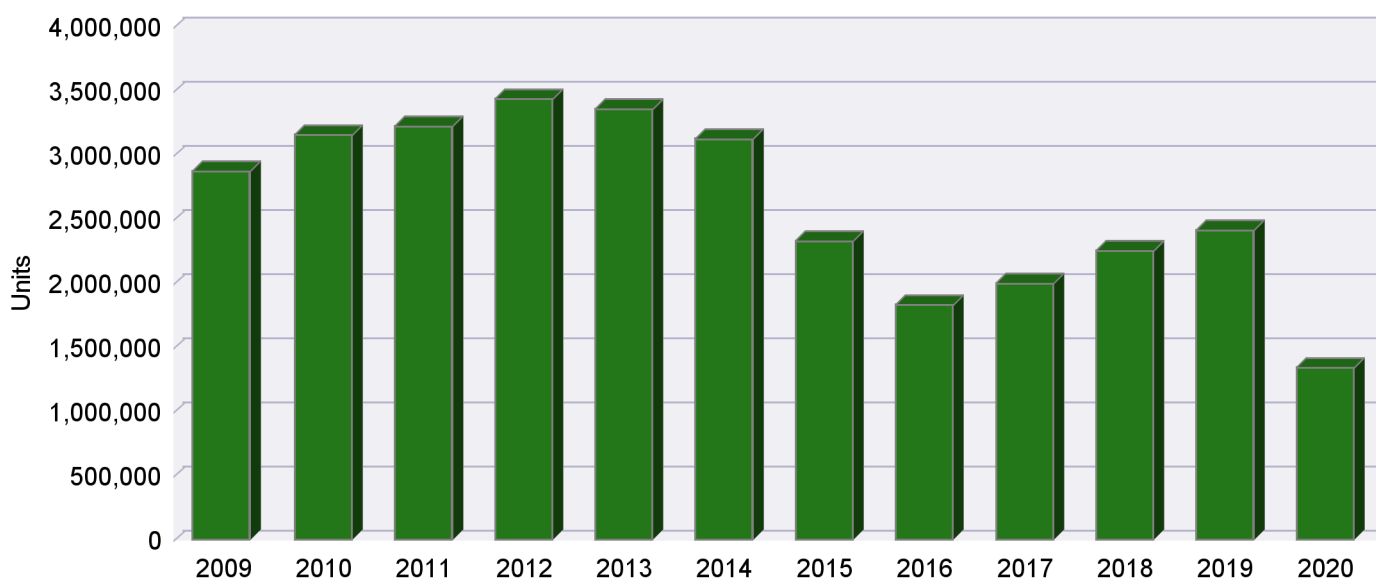


Annual registration* of new vehicles in Brazil (Otto cycle) by fuel type

For 2020 updated values until 10/2020

YEAR	ELECTRIC	ETHANOL	FLEX	GASOLINE	TOTAL
2009	0	70	2,652,298	221,709	2,874,077
2010	0	50	2,876,173	280,704	3,156,927
2011	0	51	2,848,071	376,998	3,225,120
2012	117	52	3,162,874	273,913	3,436,956
2013	491	0	3,169,111	189,112	3,358,714
2014	855	0	2,940,508	184,840	3,126,203
2015	845	0	2,194,020	136,059	2,330,924
2016	1,091	0	1,750,750	80,493	1,832,334
2017	3,296	0	1,927,187	68,900	1,999,383
2018	4,034	0	2,168,182	81,934	2,254,150
2019	11,847	0	2,328,661	73,853	2,414,361
2020	15,565	0	1,279,685	47,126	1,342,376

Note: Otto cycle refers to all vehicles, excluding diesel-powered. "Ethanol" refers to vehicles powered only by ethanol, widely manufactured until the late 1990's. "Gasoline" refers to gasoline-powered automobiles. "Flex" refers to flex fuel vehicles that can run on ethanol, straight gasoline or any mixture of the two.



Source: prepared by UNICA with data from Brazilian Automotive Industry Association (ANFAVEA).

Note: vehicle registrations pass to 2004 are based on monthly sales to dealerships.

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