

Drivers

Drivers	
Selected case	2
Company	Tesla
Currency	USD
Domestic country	United States
10-year treasury yield (Sep 27 201)	3.07%
Market risk premium US	5%
Company beta (Sep 27 2018)	0.78
Tesla share price (Sep 27 2018)	307.8
Bond Yield (Sep 19 2018)	7.50%
Corporate tax rate	30%
Expected inflation	2%

- 1. Select provides a flexible model.
- 2. This is an Analysis about Tesla company.
- 3. The model currency is USD.
- 4. UST10 is our yield on September 27, 2018.
- 5. The market risk premium is 5%.
- 6. The beta on September 27, 2018 is 0.78
- 7. Tesla's price on September 27, 2018 is 307.8
- 8. Bond yield on September 19, 2018 is 7.5%.
- 9. The corporate tax rate is 30%, estimated.
- 10. Expected inflation of 2%.

P&L Input

KPIs are calculated on yearto-year validation.

P&L Input

	2014	2015	2016	2017	2018 H1
(in thousands)	Act	Act	Act	Act	Act
Automotive revenues	3,007,012	3,740,973	6,350,766	9,641,300	6,092,998
Energy generation and storage	4,208	14,477	181,394	1,116,266	784,430
Services and other	187,136	290,575	467,972	1,001,185	533,554
Total revenues	3,198,356	4,046,025	7,000,132	11,758,751	7,410,982
Automotive cost of revenues	(2,145,749)	(2,823,302)	(4,750,081)	(7,432,704)	(4,862,547)
Energy generation and storage cost of revenues	(4,005)	(12,287)	(178,332)	(874,538)	(705,636)
Services and other cost of revenues	(166,931)	(286,933)	(472,462)	(1,229,022)	(767,343)
Gross profit	881,671	923,503	1,599,257	2,222,487	1,075,456
Research and development	(464,700)	(717,900)	(834,408)	(1,378,073)	(753,225)
Selling, general and administrative	(603,660)	(922,232)	(1,432,189)	(2,476,500)	(1,437,163)
Restructuring and other					(103,434)
EBIT	(186,689)	(716,629)	(667,340)	(1,632,086)	(1,218,366)
Interest income	1,126	1,508	8,530	19,686	10,278
Interest expense	(100,886)	(118,851)	(198,810)	(471,259)	(313,128)
Other income (expense), net	1,813	(41,652)	111,272	(125,373)	13,195
EBT	(284,636)	(875,624)	(746,348)	(2,209,032)	(1,508,021)
Provision for income taxes	(9,404)	(13,039)	(26,698)	(31,546)	(19,312)
Net loss incl. minority interests	(294,040)	(888,663)	(773,046)	(2,240,578)	(1,527,333)
Minority interests	-	-	98,132	279,178	100,243
Net loss	(294,040)	(888,663)	(674,914)	(1,961,400)	(1,427,090)
KPIs					
Revenue % automotive y-o-y		24%	70%	52%	
Revenue % generation y-o-y		244%	1153%	515%	
Revenue % services y-o-y		55%	61%	114%	
GP% automotive	29%	25%	25%	23%	20%
GP% energy generation and automotive	5%	15%	2%	22%	10%
GP% services and other	11%	1%	-1%	-23%	-44%
Overall GP%	28%	23%	23%	19%	15%
EBIT %	-6%	-18%	-10%	-14%	-16%
Net loss %	-9%	-22%	-10%	-17%	-19%
ROA	-5%	-11%	-3%	-7%	-5%
ROE	-32%	-82%	-14%	-46%	-32%
RUE	-02/0	-02 /0	-1470	-40 /0	-32 /0

Balance Sheet Input

Here we have measures on liquidity and solvency ratios.

Liquidity ratios above 1 and, Solvency ratios to prove a company's long-term financial health.

Balance Sheet Input

		31 Dec	31 Dec	31 Dec	31 Dec	30 Jun
(in thousands)		2014	2015	2016	2017	2018
Cash and cash equivalents		1,905,713	1,196,908	3,393,216	3,367,914	2,236,424
Restricted cash and marketable securities		17,947	22,628	105,519	155,323	146,822
Accounts receivable, net		226,604	168,965	499,142	515,381	569,874
Inventory		953,675	1,277,838	2,067,454	2,263,537	3,324,643
Prepaid expenses and other current assets		76,134	115,667	194,465	268,365	422,034
Total current assets		3,180,073	2,782,006	6,259,796	6,570,520	6,699,797
Operating lease vehicles, net		766,744	1,791,403	3,134,080	4,116,604	2,282,047
Solar energy systems, leased and to be leased, net		-	-	5,919,880	6,347,490	6,340,031
Property, plant and equipment, net		1,829,267	3,403,334	5,982,957	10,027,522	10,969,348
Intangible assets, net		-	12,816	376,145	361,502	364,690
portion		-	-	506,302	516,889	434,841
Restricted cash, net of current portion		11,374	31,522	268,165	441,722	399,992
Other assets		43,209	46,858	216,751	273,123	419,254
Total assets		5,830,667	8,067,939	22,664,076	28,655,372	27,910,000
Accounts payable	22.7	777,946	916,148	1,860,341	2,390,250	3,030,493
Accrued liabilities	•	268,883	422,798	1,210,028	1,731,366	1,814,979
Deferred revenue	•	191,651	423,961	763,126	1,015,253	576,321
Resale value guarantees		-	136,831	179,504	787,333	674,255
Customer deposits		257,587	283,370	663,859	853,919	942,129
Current portion of long-term debt and capital leases		611,099	627,927	984,211	796,549	2,103,185
Current portion of solar bonds issued to related		_				
parties		-		165,936	100,000	-
Total current liabilities		2,107,166	2,811,035	5,827,005	7,674,670	9,141,362
Long-term debt and capital leases, net of current						
portion		1,818,785	2,021,093	5,860,049	9,415,700	9,513,390
Other liabilities		993,006	2,152,107	5,438,936	6,330,414	3,988,135
Total liabilities		4,918,957	6,984,235	17,125,990	23,420,784	22,642,887
Total stockholders' equity		911,710	1,083,704	4,752,911	4,237,242	4,445,957
Noncontrolling interests in subsidiaries		-	-	785,175	997,346	821,156
Total liabilities and equity		5,830,667	8,067,939	22,664,076	28,655,372	27,910,000
Kirlin (C. C. C			19 000 100			
KPIs						
Liquidity ratios						
Quick ratio		0.91	0.43	0.60	0.46	0.26
Current ratio		1.51	0.99	1.07	0.86	0.73
DSO DSO		25.51	15.03	25.67	15.78	13.84
DIO		148.20	147.32	137.81	85.45	94.46
DPO		120.89	105.62	124.00	90.23	86.10
Net Trading Cycle		52.81	56.73	39.47	11.00	22.20
Solvency ratios						
Debt ratio		1.19	1.16	1.32	1.22	1.23
Interest coverage		<0	<0	<0	<0	<0

Income Statements Items

Automotive 1st business line

More than 80% of Tesla revenues in 2017.

Deliveries

Deliveries																	
_								Toolo) alivaria a								
_	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	Deliveries 2020	2021	2022	2023	2024	2025	2026	2027	2028
Vehicle	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Tesla Model 3	-		i	1,764	26,620	104,000	130,620	260,000	416,000	457,600	503,360	528,528	554,954	566,053	577,375	588,922	600,700
Tesla Model S and	33,600	50,580	76,230	101,312	44,100	55,900	100,000	102,000	104,040	106,121	108,243	110,408	112,616	114,869	117,166	119,509	121,899
Tesla Model Y	_	-	_	-			-	1,764	130,620	260,000	416,000	457,600	503,360	528,528	554,954	566,053	577,375
Tesla Roadster 2	-	-	-	-	0-0	-	-	-	500	1,000	1,500	1,650	1,815	1,906	2,001	2,041	2,082
Tesla Pickup	-	-	-	-	0-0	-	-	250	18,512	36,848	58,957	64,853	71,338	74,905	78,650	80,223	81,827
Tesla Semi	-	-	-			-		250	18,512	36,848	58,957	64,853	71,338	74,905	78,650	80,223	81,827
Total	33,600	50,580	76,230	103,076	70,720	159,900	230,620	364,264	688,184	898,417	1,147,017	1,227,891	1,315,421	1,361,165	1,408,796	1,436,972	1,465,711
y-o-y growth %					7									fort or forest			
Tesla Model 3	n.a.	n.a.	n.a.	n.a.			7305%	99%	60%	10%	10%	5%	5%	2%	2%	2%	2%
Tesla Model S and X	n.a.	51%	51%	33%			-1%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Tesla Model Y	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Tesla Roadster 2	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	n.a.	100%	50%	10%	10%	5%	5%	2%	2%
Tesla Pickup	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Tesla Semi	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
21 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -																	
Assumed growth after																	
2 years	10%																
2 years	5%																
onwards	2%																

Revenue = Number of vehicles delivered X Average price

The Model Y, Roadster 2, Pickup, and Semi models are new models and should start to be delivered after 2018, we need to forecast those deliveries and we do it based on similar industry numbers, and Tesla actual numbers up to this date.

Deliveries

Deliveries																	
_								Tosla	Deliveries								
_	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Vehicle	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Tesla Model 3	7 7 -	-	-	1,764	26,620	104,000	130,620	260,000	416,000	457,600	503,360	528,528	554,954	566,053	577,375	588,922	600,700
Tesla Model S and	33,600	50,580	76,230	101,312	44,100	55,900	100,000	102,000	104,040	106,121	108,243	110,408	112,616	114,869	117,166	119,509	121,899
Tesla Model Y	-	-	-	-	-		-	1,764	130,620	260,000	416,000	457,600	503,360	528,528	554,954	566,053	577,375
Tesla Roadster 2	-	-	-	-	-	-	-	-	500	1,000	1,500	1,650	1,815	1,906	2,001	2,041	2,082
Tesla Pickup	-	0-0		-	0-0	-	-	250	18,512	36,848	58,957	64,853	71,338	74,905	78,650	80,223	81,827
Tesla Semi	() () - (-	-	-			-	250	18,512	36,848	58,957	64,853	71,338	74,905	78,650	80,223	81,827
Total	33,600	50,580	76,230	103,076	70,720	159,900	230,620	364,264	688,184	898,417	1,147,017	1,227,891	1,315,421	1,361,165	1,408,796	1,436,972	1,465,711
y-o-y growth %																	
Tesla Model 3	n.a.	n.a.	n.a.	n.a.			7305%	99%	60%	10%	10%	5%	5%	2%	2%	2%	2%
Tesla Model S and X	n.a.	51%	51%	33%			-1%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Tesla Model Y	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Tesla Roadster 2	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	n.a.	100%	50%	10%	10%	5%	5%	2%	2%
Tesla Pickup	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Tesla Semi	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Assumed growth after																	
2 years	10%																
2 years	5%																
onwards	2%																

The forecast for Model 3, 2018 H2 is based on 26 weeks 4000 deliveries per week, in 2019 the estimate was based on 5000 deliveries per week, in 2020 forecast is based on 52 weeks and 8000 deliveries per week, then 2 years of 10% growth, 2 years of 5% and onwards 2% (which corresponds to long-term inflation). It is reasonable estimate if consider the growth that the company has in deliveries up to this date.

Deliveries

Deliveries																	
								Tesla)eliveries	-							
_	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Vehicle	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst		Fcst	
Tesla Model 3	-	-	- L	1,764	26,620	104,000	130,620	260,000	416,000	457,600	503,360	528,528	554,954	566,053	577,375	588,922	600,700
Tesla Model S and	33,600	50,580	76,230	101,312	44,100	55,900	100,000	102,000	104,040	106,121	108,243	110,408	112,616	114,869	117,166	119,509	121,899
Tesla Model Y	-	- 1	-	-	-	-	-	1,764	130,620	260,000	416,000	457,600	503,360	528,528	554,954	566,053	577,375
Tesla Roadster 2	-	-	-	-	0-0	-	-		500	1,000	1,500	1,650	1,815	1,906	2,001	2,041	2,082
Tesla Pickup	-	-	-	-	0-0	-	-	250	18,512	36,848	58,957	64,853	71,338	74,905	78,650	80,223	81,827
Tesla Semi	-	-	-	-		-	-	250	18,512	36,848	58,957	64,853	71,338	74,905	78,650	80,223	81,827
Total	33,600	50,580	76,230	103,076	70,720	159,900	230,620	364,264	688,184	898,417	1,147,017	1,227,891	1,315,421	1,361,165	1,408,796	1,436,972	1,465,711
y-o-y growth %																	
Tesla Model 3	n.a.	n.a.	n.a.	n.a.			7305%	99%	60%	10%	10%	5%	5%	2%	2%	2%	2%
Tesla Model S and X	n.a.	51%	51%	33%			-1%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Tesla Model Y	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Tesla Roadster 2	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	n.a.	100%	50%	10%	10%	5%	5%	2%	2%
Tesla Pickup	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	
Tesla Semi	n.a.	n.a.	n.a.	n.a.			n.a.	n.a.	7305%	99%	60%	10%	10%	5%	5%	2%	2%
Assumed growth after	introduction:																
2 years	10%																
2 years	5%																
onwards	2%																

The Model S and X are being analyzed together; the Model Y is estimated replicating the Model 3. The Roadster 2 is a fancier car, so it starts with 500 deliveries, increases by 100%, then 50%, afterwards it grows as model 3. Pickup and Semi reflect the same type of growth in our model.

NOTE: Deliveries reflect revenue, which is the basis of a financial model.

Deliveries development

Deliveries comparable

Deliveries comparable Comparable. Vehicle Average Adj. Average GM 9.600.340 9.600.340 Ford 6,607,000 6,607,000 Fiat Chrysler 4,740,000 4,740,000 BMW 2,460,000 2,460,000 Volkswagen 10.700.000 10.700.000 Jaguar n.a. n.a. Porsche n.a. n.a. Ferrari n.a. n.a. Scania n.a. n.a. MAN n.a. n.a. Paccar n.a. n.a. 6,821,468 Average

It is important to cross-check our estimate with actual market data, "sanity check".

In these comparable deliveries, we find an average delivery for companies like GM, Ford, Fiat, BMW and Volkswagen.

We do not take other listed companies into consideration just because we want to make sure that we are comparing the general companies' deliveries with the Tesla company deliveries, not model by model.

Revenue Automotive

Revenue Auton	notive																	
							Te	esla Revenue	e Automotive	e (in mln \$)								
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
Vehicle	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Average Price (
Tesla Model 3				n.a.	n.a.	4,368	5,486	10,920	17,472	19,219	21,141	22,198	23,308	23,774	24,250	24,735	25,229	42,00
Tesla Model S and	3.007	3.741	6.351	n.a.	n.a.	4.891	8,750	8.925	9,104	9.286	9.471	9.661	9.854	10,051	10,252	10.457	10,666	87.50
Tesla Model Y	_	-	-	-	_		-	88	6,531	13,000	20,800	22,880	25,168	26,426	27,748	28,303	28,869	50.0
Tesla Roadster 2	-	-	-	-	-	_	14	_	115	230	345	380	417	438	460	469	479	230.0
Tesla Pickup	-	_	-	-	-	-	-	16	1,166	2,321	3.714	4.086	4,494	4,719	4,955	5.054	5,155	63.0
Tesla Semi	_	_	-	-	-	_	_	50	3,702	7,370	11.791	12,971	14,268	14,981	15,730	16,045	16,365	200.0
Total	3.007	3,741	6,351	9,641	6.093	9.259	14,236	19,999	38,090	51,426	67,263	72,175	77,509	80,390	83,395	85,063	86,764	200,0
Selected case																		
Tesla Model 3							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Model S and X							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Model Y							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Roadster 2							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Pickup							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Semi							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
resia Seilii							10076	10076	10076	10076	10076	10076	10076	10076	10076	100%	10076	
Best case																		
Tesla Model 3							102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Tesla Model S and X							102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Tesla Model Y							102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Tesla Roadster 2							102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Tesla Pickup							102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Tesla Semi							102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Base case																		
Tesla Model 3							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Model S and X							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Model Y							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Roadster 2							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Pickup							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Tesla Semi							100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Worst case																		
Tesla Model 3							98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
Tesla Model S and X							98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
Tesla Model Y							98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
Tesla Roadster 2							98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
Tesla Pickup							98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
Tesla Pickup Tesla Semi							98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	
i cola Sellii							90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	

Average prices based on: https://cleantechnica.com/2017/12/25/tesla-vehicle-revenue-2022-73-7-billion/

Gross Profit (%)

27					
Comparable					
		GP %	GP %	GP%	
Vehicle	Comparable companies	Comp. 1	Comp. 2	Comp. 3	Average
Tesla Model 3	GM, Ford, Fiat Chrysler	13.9%	7.9%	15.3%	12.4%
Tesla Model S and X	BMW, Mercedes Cars, Volkswagen	18.4%	20.8%	18.4%	19.2%
Tesla Model Y	BMW, Mercedes Cars, Volkswagen	18.4%	20.8%	18.4%	19.2%
Tesla Roadster 2	Jaguar, Porsche, Ferrari	38.1%	28.2%	51.7%	39.3%
Tesla Pickup	GM, Ford, Fiat Chrysler	13.9%	7.9%	15.3%	12.4%
Tesla Semi	Scania, MAN, Paccar	24.6%	18.6%	14.3%	19.2%
Historical					
Vehicle	Average				
Tesla Model 3	n.a.				
Tesla Model S and X	25%				
Tesla Model Y	n.a.				
Tesla Roadster 2	n.a.				
Tesla Pickup	n.a.				
Tesla Semi	n.a.				

Gross Profit % divided by Model.

Estimating is based on available public information, taking similar models and averaging is a great way to make a forecast.

Gross Profit

Gross Profit																	
							To	esla Gross Pr	ofit (in mln \$								
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	202
Vehicle	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fc
Tesla Model 3	n.a.	n.a.	n.a.	n.a.	n.a.	541	n.a.	1,352	2,163	2,379	2,617	2,748	2,885	2,943	3,002	3,062	3,12
Tesla Model S and	n.a.	n.a.	n.a.	n.a.	n.a.	940	n.a.	1,715	1,749	1,784	1,820	1,856	1,894	1,931	1,970	2,009	2,05
Tesla Model Y	-	-	-	-	-	-	-	17	1,255	2,498	3,997	4,397	4,836	5,078	5,332	5,439	5,54
Tesla Roadster 2	-	-	-	-	-	-	-	-	45	90	136	149	164	172	181	185	1
Tesla Pickup	-	-	-	-	-	-	-	2	144	287	460	506	556	584	613	626	63
Tesla Semi	-	-	-	-	-	-	-	10	710	1,413	2,260	2,486	2,735	2,872	3,015	3,076	3,13
Total	861	918	1,601	2,209	1,230	1,481	2,711	3,095	6,066	8,452	11,289	12,142	13,070	13,580	14,113	14,395	14,68
Selected case																	
Tesla Model 3					12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	1
Tesla Model S and X					19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	1
Tesla Model Y					19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	1
Tesla Roadster 2					39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	3
Tesla Pickup					12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	1
Tesla Semi					19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	1
Best case																	
Tesla Model 3					14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	1
Tesla Model S and X					21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	2
Tesla Model Y					21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	2
Tesla Roadster 2					41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	4
Tesla Pickup					14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	1
Tesla Semi					21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	2
Base case																	
Tesla Model 3					12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12
Tesla Model S and X					19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	1
Tesla Model Y					19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	1
Tesla Roadster 2					39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	3
Tesla Pickup					12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	1:
Tesla Semi					19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	1
Worst case																	
Tesla Model 3					11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	1
Tesla Model S and X					18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	1
Tesia Model Y					18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	1
Tesla Roadster 2					38%	38%	38%	38%	38%	38%	38%	38%	38%	38%	38%	38%	3
Tesla Pickup					11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	1
Tesla Pickup					18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	1
I CSIA SEIIII					10%	1076	10%	1076	10%	1076	1076	10%	10%	10%	10%	10%	

The best and worst cases are done by adding or subtracting 1.5% of the base case.

Cost of sales automotive

Cost of sales au	tomotive																
_							T	cala Coat of a	ooloo (in min	¢)							
_	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	sales (in mln : 2020	2021	2022	2023	2024	2025	2026	2027	2028
Vehicle	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Tesla Model 3	n.a.	n.a.	n.a.	n.a.	n.a.	(3,827)	n.a.	(9,568)	(15,309)	(16,840)	(18,524)	(19,451)	(20,423)	(20,832)	(21,248)	(21,673)	(22,107)
Tesla Model S and	n.a.	n.a.	n.a.	n.a.	n.a.	(3,951)	n.a.	(7,210)	(7,354)	(7,501)	(7,651)	(7,804)	(7,960)	(8,120)	(8,282)	(8,448)	(8,617)
Tesla Model Y	-	-	-	-			-	(71)	(5,276)	(10,502)	(16,803)	(18,483)	(20,332)	(21,348)	(22,416)	(22,864)	(23,321)
Tesla Roadster 2	-	-	0-0	-		0-0	-	-	(70)	(140)	(209)	(230)	(253)	(266)	(279)	(285)	(291)
Tesla Pickup	-	-	0 - 0	-	5 - 3	-	-	(14)	(1,022)	(2,034)	(3,255)	(3,580)	(3,938)	(4,135)	(4,342)	(4,428)	(4,517)
Tesla Semi	-	-	-	-		-	-	(40)	(2,993)	(5,957)	(9,531)	(10,484)	(11,533)	(12,109)	(12,715)	(12,969)	(13,228)
Total	(2,146)	(2,823)	(4,750)	(7,433)	(4,863)	(7,779)	(11,525)	(16,904)	(32,024)	(42,974)	(55,974)	(60,033)	(64,439)	(66,810)	(69,281)	(70,667)	(72,080)

Gross Profit = Revenues – Cost of sales, easy to calculate with the data we have.

NOTE: Until now we had estimates of delivery, average price of each model, gross profit of each model and now we reach the cost of sales using the formula above.

Revenue and GP automotive

Revenue and Gr	oss Profit	automotiv	/e												
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Vehicle	Act	Act	Act	Act	Fcst										
Revenue automotiv	3,007	3,741	6,351	9,641	14,236	19,999	38,090	51,426	67,263	72,175	77,509	80,390	83,395	85,063	86,764
Gross Profit autom	861	918	1,601	2,209	2,711	3,095	6,066	8,452	11,289	12,142	13,070	13,580	14,113	14,395	14,683
GP%	29%	25%	25%	23%	19%	15%	16%	16%	17%	17%	17%	17%	17%	17%	17%

We can see that the GP% decreases as the company starts selling more cars with a smaller margin, for example, the Model 3.

Energy & Other 2nd business line

Revenue Energy & Other

							Tesla	Revenue Ene	ergy & Othe	r (in mln \$)							
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Energy generation and storage	4	14	181	1,116	784	784	1,569	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Services and other	187	291	468	1,001	534	534	1,067	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Energy and Other	191	305	649	2,117	1,318	1,318	2,636	3,058	3,425	3,699	3,921	4,156	4,405	4,669	4,950	5,247	5,561
SolarCity	255	400	730	- 10	-	· · ·	· ·	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Energy and Other + SolarCity	446	705	1,380	2,117	1,318	1,318	2,636	3,058	3,425	3,699	3,921	4,156	4,405	4,669	4,950	5,247	5,561
Selected case																	
Total Energy and Other								16%	12%	8%	6%	6%	6%	6%	6%	6%	6%
Y-o-Y %																	
Best case																	
Total Energy and Other								18%	14%	10%	8%	8%	8%	8%	8%	8%	8%
Base case																	
Total Energy and Other		58%	96%	53%				16%	12%	8%	6%	6%	6%	6%	6%	6%	69
Worst case																	
Total Energy and Other								14%	10%	6%	4%	4%	4%	4%	4%	4%	49

The data for 2018 H2 is estimated to be equal 2018 H1. SolarCity is integrated to Tesla.

The estimated growth in our base case is conservative and goes as follows: 16%, 12%, 8%, and 6% onwards. The best and worst case we add or subtract 2%.

Gross Profit Energy & Other

Gross Profit Energy & Other	1																
_						100000000000000000000000000000000000000	Tesla	GP% Energy	and Other (in mln \$)							
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	202
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcs
Energy generation and storage	0	2	3	242	79	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Services and other	20	4	(4)	(228)	(234)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Energy and Other	20	6	(1)	14	(155)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
SolarCity	79	119	251	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Energy and Other + SolarCity	99	125	250	14	(155)	n.a.	386	448	502	542	575	609	646	685	726	769	815
Selected case																	
Total Energy and Other	22%	18%	18%	1%	-12%		15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	159
GP%																	
Best case							17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	179
Total Energy and Other																	
Base case							15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	159
Total Energy and Other																	
Worst case																	
Total Energy and Other							13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	139

The gross profit was calculated based on the average of 2014, 2015, 2016, and 2017. The best and worst case we add or subtract 2%.

Cost of sales Energy & Other

Cost of sales Energy & Other	er																
			10000			11000	Tesla (Cost of sales	s Energy & C	Other (in mln	\$)				- 21/2/2		
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Energy generation and storage	(4)	(12)	(178)	(875)	(706)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Services and other	(167)	(287)	(472)	(1,229)	(767)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Energy and Other	(171)	(299)	(651)	(2,104)	(1,473)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
SolarCity	-176	(281)	(479)	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Energy and Other + SolarCity	(347)	(580)	(1,130)	(2,104)	(1,473)	(777)	(2,249)	(2,609)	(2,923)	(3,156)	(3,346)	(3,546)	(3,759)	(3,985)	(4,224)	(4,477)	(4,746)

Gross Profit = Revenues – Cost of sales, easy to calculate with the data we have.

Operating expenses

Opex

Opex comparable

Comparable - 2017

Company	Average	Adj. Average
GM	14%	14%
Ford	13%	13%
Fiat Chrysler	10%	10%
BMW	10%	10%
Volkswagen	12%	12%
Jaguar	31%	
Porsche	11%	11%
Ferrari	29%	
Scania	15%	15%
MAN	15%	15%
Paccar	4%	
Average	15%	12.5%

Tesla is not a young or mature company. The benefits of the scale do not yet apply to it in the year 2018. It is important to check that operating expenses will decrease as soon as the company is able to take advantage of the economy of scale.

The best approach to calculate Opex was to find information from competitors and average them, not considering companies with outlier's values as an Opex margin (%), instead the average of the market.

Opex

Opex																	
				4.500				Tesla (Opex (in mln	\$)		1777					
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Revenues	3,453	4,446	7,730	11,759	7,411	10,577	17,988	23,057	41,515	55,124	71,184	76,330	81,914	85,059	88,344	90,309	92,325
Opex as a % of revenues	-30.9%	-36.9%	-29.3%	-32.8%	-31.0%	-26.5%		-12.5%	-12.5%	-12.5%	-12.5%	-12.5%	-12.5%	-12.5%	-12.5%	-12.5%	-12.5%
Opex	(1,068)	(1,640)	(2,267)	(3,855)	(2,294)	(2,801)	(5,095)	(2,880)	(5,186)	(6,886)	(8,892)	(9,535)	(10,233)	(10,625)	(11,036)	(11,281)	(11,533)
Selected case																	
Opex as a % of revenue						-26%		-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%
Opex %																	
Best case																	
Opex as a % of revenue						-23%		-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
Base case																	
Opex as a % of revenue						-26%		-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%	-12%
Worst case																	
Opex as a % of revenue						-29%		-14%	-14%	-14%	-14%	-14%	-14%	-14%	-14%	-14%	-14%

Opex as a % of revenues.

Opex to the 2018 H2 is based on average for the past years. The best and worst case we add or subtract 3%. Opex to the others forecasted periods are based on average of competitors. The best and worst case we add or subtract 2%.

Balance Sheet

Property, Plant & Equipment

Fixed asset roll forward																	
Selected case: as a % of PPE	1																
								Tesla PP&	F (in min \$)								
	31Dec2014	31Dec2015 3	1Dec2016 3	1Dec2017	30Jun2018	2018 H2	31Dec2018	31Dec2019		31Dec2021	31Dec2022	31Dec2023	31Dec202	31Dec202	31Dec202	31Dec202	31Dec20
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	4	5	6	7	
Beginning PP&E	738	1,829	3,403	5,983	10,028	10,969	10,028	14,638	19,127	23,116	25,682	28,419	31,325	34,394	37,618	40,986	44,480
Capex	1,323	1,997	3,527	5,211	1,843	4,173	6,017	5,855	5,738	4,623	5,136	5,684	6,265	6,879	7,524	8,197	8,896
D&A	(232)	(423)	(947)	(1,166)	(901)	(505)	(1,406)	(1,366)	(1,749)	(2,057)	(2,399)	(2,778)	(3,196)	(3,655)	(4,156)	(4,703)	(5,296
Ending PP&E	1,829	3,403	5,983	10,028	10,969	14,638	14,638	19,127	23,116	25,682	28,419	31,325	34,394	37,618	40,986	44,480	48,081
								Tesla D&A	(in mln \$)								
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	202
(\$ in million)	Act		Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst		Fcs
2018 H2Fcst						(505)											
2018Fcst							(1,406)										
2019Fcst								(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366
2020Fcst									(383)	(383)	(383)	(383)	(383)	(383)	(383)	(383)	(383
2021Fcst										(308)	(308)	(308)	(308)	(308)	(308)	(308)	(308)
2022Fcst											(342)	(342)	(342)	(342)	(342)		(342
2023Fcst												(379)	(379)	(379)	(379)	(379)	(379
2024Fcst													(418)	(418)	(418)		(418
2025Fcst														(459)	(459)	(459)	(459
2026Fcst															(502)	(502)	(502
2027Fcst																(546)	(546
2028Fcst																	(593
Total D&A	(232)	(423)	(947)	(1,166)	(901)	(505)	(1,406)	(1,366)	(1,749)	(2,057)	(2,399)	(2,778)	(3,196)	(3,655)	(4,156)	(4,703)	(5,296
0&A as a % of PP&E	-31.4%	-23.1%	-27.8%	-19.5%	-9.0%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.59
&A as a % of revenues	-7.3%	-10.4%	-13.5%	-9.9%	-12.2%	-4.8%	-7.8%	-5.9%	-4.2%	-3.7%	-3.4%	-3.6%	-3.9%	-4.3%	-4.7%	-5.2%	-5.79
Capex as a % of PP&E	179.1%	109.2%	103.6%	87.1%	18.4%	99.5%	60.0%	40.0%	30.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.09
Capex as a % of revenues	41.4%	49.3%	50.4%	44.3%	24.9%	42.1%	42.1%	42.1%	20.0%	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.09

Ending PP&E = Beginning PP&E + Capex – D&A

Capex can be modeled in two approaches:

- 1. Model as a % of Beginning PP&E (2018 H2 average applied, 2019 60%, 2020 40%, 2021 30%, 20% onwards).
- 2. Model as a % of revenues (2018 H2, 2019 average applied, 2020 20%, 2021 15%, 10% onwards).

Property, Plant & Equipment

Fixed asset roll forward																	
Selected case: as a % of PPE	1																
								Tesla PP&	F (in min \$)								
	31Dec2014	31Dec2015	31Dec2016 3	1Dec2017	30.Jun2018	2018 H2	31Dec2018			31Dec2021	31Dec2022	31Dec2023	31Dec202	31Dec202	31Dec202	31Dec202	31Dec202
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	4	5	6	7	
Beginning PP&E	738	1,829	3,403	5,983	10,028	10,969	10,028	14,638	19,127	23,116	25,682	28,419	31,325	34,394	37,618	40,986	44,480
Capex	1,323	1,997	3,527	5,211	1,843	4,173	6,017	5,855	5,738	4,623	5,136	5,684	6,265	6,879	7,524	8,197	8,896
D&A	(232)	(423)	(947)	(1,166)	(901)	(505)	(1,406)	(1,366)	(1,749)	(2,057)	(2,399)	(2,778)	(3,196)	(3,655)	(4,156)	(4,703)	(5,296
Ending PP&E	1,829	3,403	5,983	10,028	10,969	14,638	14,638	19,127	23,116	25,682	28,419	31,325	34,394	37,618	40,986	44,480	48,081
								Tesla D&A	(in mln \$)								
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcs
2018 H2Fcst						(505)											
018Fcst							(1,406)										
019Fcst								(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366)	(1,366
020Fcst									(383)	(383)	(383)	(383)	(383)	(383)	(383)	(383)	(383
021Fcst										(308)	(308)	(308)	(308)	(308)	(308)	(308)	(308
022Fcst											(342)	(342)	(342)	(342)	(342)	(342)	(342
023Fcst												(379)	(379)	(379)	(379)	(379)	(379
024Fcst													(418)	(418)	(418)	(418)	(418
025Fcst														(459)	(459)	(459)	(459
2026Fcst															(502)	(502)	(502
2027Fcst																(546)	(546
2028Fcst																	(593
Total D&A	(232)	(423)	(947)	(1,166)	(901)	(505)	(1,406)	(1,366)	(1,749)	(2,057)	(2,399)	(2,778)	(3,196)	(3,655)	(4,156)	(4,703)	(5,296
&A as a % of PP&E	-31.4%	-23.1%	-27.8%	-19.5%	-9.0%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%	-25.5%
&A as a % of revenues	-7.3%	-10.4%	-13.5%	-9.9%	-12.2%	-4.8%	-7.8%	-5.9%	-4.2%	-3.7%	-3.4%	-3.6%	-3.9%	-4.3%	-4.7%	-5.2%	-5.7%
04 4 5 5 5 5 5	179.1%	109.2%	103.6%	87.1%	18.4%	99.5%	60.0%	40.0%	30.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.09
Capex as a % of PP&E	41.4%	49.3%	50.4%	44.3%	24.9%	42.1%	42.1%	42.1%	20.0%	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.09

It is possible to do a sanity check of D&A as a % of revenues of other companies in the industry. We can't do it with Capex, because it is difficult to find Capex data.

NOTE: D&A H2 2018 -> D&A of historical assets + D&A of Capex H2 2018

PP&E

PP&E comparable

Comparables - 2017

	D&A as a %	of PP&F	D&A as a % o	f revenues
Company	Average	Adj. Average	Average	Adj. Average
GM	-34%	-34%	-8%	-8%
Ford	-24%	-24%	-5%	-5%
Fiat Chrysler	-20%	-20%	-5%	-5%
BMW	-42%	-42%	-6%	-6%
Volkswagen	-40%	-40%	-10%	-10%
Jaguar	-28%	-28%	-7%	-7%
Porsche	-39%	-39%	-10%	-10%
Ferrari	-37%	-37%	-8%	-8%
Scania	-13%	-13%	-3%	-3%
MAN	-37%	-37%	-7%	-7%
Paccar				
Average	-31%	-31%	-7%	-7%

With D&A forecasted we can calculate:

- 1. D&A as a % of PP&E
- 2. D&A as a % of revenues.

We can do a sanity check since D&A is easier to find public information than capex.

NOTE: It is better to use Capex as a percentage of revenue in growing business, as the business will need improvements as it grows. PP&E is important to verify the historical information of how much CAPEX represented for PP&E.

Working capital

Working Capital

Working capital																
							Tesla W	orking capit	al (in mln \$)							
	31Dec201	31Dec201	31Dec201	31Dec201 3	0Jun2018	31Dec2018				31Dec2022	31Dec2023	31Dec2024	31Dec2025	31Dec2026	31Dec2027	31Dec2028
(\$ in million)	4	5	6	7	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Trade receivables	227	169	499	515	570	958	1,228	2,210	2,935	3,790	4,064	4,361	4,528	4,703	4,808	4,915
Inventory	954	1,278	2,067	2,264	3,325	5,073	6,648	11,906	15,716	20,209	21,661	23,234	24,119	25,042	25,601	26,174
Trade payables	778	916	1,860	2,390	3,030	4,358	5,711	10,229	13,502	17,362	18,609	19,961	20,721	21,515	21,994	22,487
Net trade cycle	402	531	706	389	864	1,672	2,164	3,887	5,149	6,637	7,115	7,634	7,926	8,231	8,414	8,602
Selected case:																
DSO	25.5	15.0	25.7	15.8	13.8	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
DIO	148.2	147.3	137.8	85.4	94.5	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6
DPO	120.9	105.6	124.0	90.2	86.1	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
Net trade cycle	52.8	56.7	39.5	11.0	22.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4

Net trade cycle = DSO + DIO - DPO.

Using the average to forecast the future, from it we can calculate Trade receivables, Inventory and Trade payables.

Trade receivables = (DSO * Revenue) / 360

Trade receivables = (DIO * Cogs) / 360

Trade payables = (DPO * Cogs) / 360

Net trade cycle

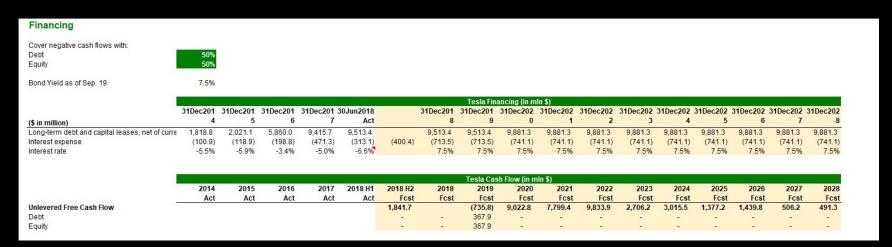
Working Capital comparable Comparable - 2017

	DS	0	DK		DP	0	Net trade	e cycle
Vehicle	Average	Adj. Average	Average	Adj. Average	Average	Adj. Average	Average	Adj. Average
GM	22.0	22.0	28.8	28.8	75.0	75.0	(24.20)	(24.20)
Ford	28.2	28.2	21.2	21.2	60.6	60.6	(11.17)	(11.17)
Fiat Chrysler	25.6	25.6	41.9	41.9	84.0	84.0	(16.52)	(16.52)
BMW	9.7	9.7	46.4	46.4	44.5	44.5	11.60	11.60
Volkswagen	20.8	20.8	63.1	63.1	44.1	44.1	39.82	39.82
Jaguar	18.8		51.2		155.5		(85.39)	
Porsche	9.2	9.2	46.8	46.8	65.0	65.0	(9.11)	(9.11)
Ferrari	25.2	25.2	41.5	41.5	132.5	132.5	(65.77)	(65.77)
Scania	27.1	27.1	64.9	64.9	55.9	55.9	36.14	36.14
MAN	54.5		85.3		59.4		80.38	
Paccar	22.3	22.3	18.4	18.4	59.3	59.3	(18.62)	(18.62)
Average	24.0	21.1	46.3	41.4	76.0	69.0	(5.71)	(6.43)

It is closer to the Porsche production than anything else. Perhaps a revision of that number should be relevant to futures models.

Financing

Financing



Assumption #1:

UFCF<0, The company will raise financing on the first day of the following year.

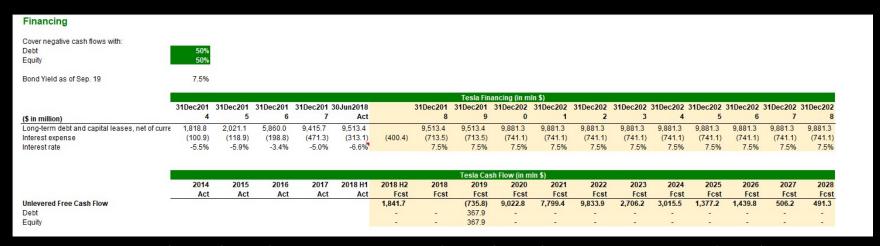
Assumption #2:

The capital structure of the company if 50% debt and 50% equity

Assumption #3:

Cost of debt is constant (unreal assumption but easier to calculate), 7,5% Tesla bonds yield at the time.

Financing



Outstanding debt (end of 2018) = Outstanding debt (end of 2017) + newly raised debt (2018)

Interest expense = Outstanding debt * Interest rate

WACC

WACC

 Risk-free rate
 3.07%

 Market risk premium
 5.00%

 Beta (as of 27 Sep 2018)
 0.78

 Tax rate
 30%

 Cost of equity
 7.0%

7.5%

7.0%

7.5%

5.7%

7.0%

7.5%

5.7%

7.0%

7.5%

6.0%

7.0%

7.5%

5.8%

7.0%

7.5%

5.8%

Current bond Yield as of 19th Sep

Tesla WACC calculation (in mln \$) 31Dec201 31Dec201 31Dec201 30Jun2018 31Dec201 31Dec201 31Dec202 31D Act 3 (\$ in million) Debt 2430 2649 6844 10212 11617 11,617 11,984 11,984 11.984 11.984 11.984 11.984 11.984 11.984 11.984 11,984 Equity 1084 5538 5235 5267 4.405 5.811 7.373 9.105 11.025 13.054 15.197 17.397 19.654 55% 66% 69% 74% 73% 67% 62% 57% 52% 41% Debt / (Debt + Equity) 73% 71% 71% 48% 44% 38% 27% 29% 45% 34% 26% 27% 29% 48% 52% 56% 59% 62% Equity / (Debt + Equity) 31% 33% 38% 43%

7.0%

7.5%

5.7%

7.0%

7.5%

5.7%

7.0%

7.5%

5.7%

7.0%

7.5%

5.8%

7.0%

7.5%

5.9%

7.0%

7.5%

6.0%

7.0%

7.5%

6.1%

7.0%

7.5%

6.1%

7.0%

7.5%

6.2%

7.0%

7.5%

6.3%

7.0%

7.5%

6.3%

CAPM Formula:

Cost of equity

Cost of debt

WACC

Cost of equity = Risk-Free Rate of Return + Beta * (Market Rate of Return – Risk free Rate of Return)

Output

P & L

P&L																	
								Tools F	191 (in								-
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
Revenues	3,198	4,046	7,000	11,759	7,411	10,577	17,988	23,057	41,515	55,124	71,184	76,330	81,914	85,059	88,344	90,309	92,325
Cost of sales	(2,317)	(3,123)	(5,401)	(9,536)	(6,336)	(8,555)	(14,891)	(19,513)	(34,946)	(46,130)	(59,319)	(63,579)	(68,198)	(70,794)	(73,505)	(75,144)	(76,826)
Gross profit	882	924	1,599	2,222	1,075	2,022	3,097	3,543	6,568	8,994	11,864	12,751	13,716	14,265	14,839	15,165	15,499
Operating expenses	(1,068)	(1,640)	(2,267)	(3,855)	(2,294)	(2,801)	(5,095)	(2,880)	(5,186)	(6,886)	(8,892)	(9,535)	(10,233)	(10,625)	(11,036)	(11,281)	(11,533)
EBIT	(187)	(717)	(667)	(1,632)	(1,218)	(779)	(1,997)	663	1,382	2,108	2,972	3,216	3,483	3,640	3,803	3,883	3,966
Interest expenses/income	(98)	(159)	(79)	(577)	(290)	(400)	(714)	(714)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)
EBT	(285)	(876)	(746)	(2,209)	(1,508)	(1,179)	(2,711)	(50)	641	1,367	2,231	2,475	2,742	2,898	3,062	3,142	3,225
Taxes	(9)	(13)	(27)	(32)	(19)	-	-	-	(192)	(410)	(669)	(743)	(823)	(870)	(919)	(943)	(967)
Minority interest	-	-	98	279	100	-	-	-	-	-	-	-	-	-	-	-	-
Net Income	(294)	(889)	(675)	(1,961)	(1,427)	(1,179)	(2,711)	(50)	449	957	1,562	1,733	1,920	2,029	2,143	2,200	2,257
Check																	
Net income	-294	-889	-675	-1961	-1427												
	-	-	-	-	-												

Revenues = Automotive revenue + Energy & Other revenue.

Balance Sheet

								Tesla BS	S (in mln \$)								A
7	31Dec201 3	1Dec201 3	1Dec2016	31Dec2017		31Dec2018	31Dec2019	0.0000						31Dec2026			<u> A</u>
	4	5	Act	Act		Fcst	t Fcst	Fcst	Fcst	Fcst	t Fcst	t Fcst	t Fcst	f Fcst	t Fcst	t Fcst	
(\$ in million)	Act	Act	440.0 500	140000000	Act		-									2000	Assumption
Cash	1,906	1,197	3,393	3,368	2,236	3,678	3,163	11,667	18,948	28,263		32,947	33,806	34,727	34,714	- 1,7 - 2	Cash flow sheet
Restricted cash and securiti	18	23	106	155	147	147	147	147	147	147		147	147	147	147	111100000000000000000000000000000000000	Stays flat
Trade receivables	227	169	499	515	570	958	1,228	2,210	2,935	3,790		4,361	4,528	4,703	4,808	2,000	
Inventory	954	1,278	2,067	2,264	3,325	5,073	6,648	11,906	15,716	20,209		23,234	24,119	25,042		26,174	Working capital sheet
Prepaid expenses	76	116	194	268	422	575	738	1,328	1,763	2,277			2,721	2,826			
as a % of revenues	2.4%	2.9%	2.8%	2.3%		3.2%		3.2%	3.2%								
Operating lease vehicles	767	1,791	3,134	4,117	2,282	2,282		2,282	2,282	2,282				2,282			Stays flat
Solar energy systems lease	-		5,920	6,347	6,340	6,340	6,340	6,340	6,340	6,340	6,340	6,340	6,340	6,340	6,340	6,340	Stays flat
PP&E	1,829	3,403	5,983	10,028	10,969	14,638	19,127	23,116	25,682	28,419	31,325	34,394	37,618	40,986	44,480	48,081	PP&E sheet
Intangible assets		13	376	362	365	365	365	365	365	365	365	365	365	365	365	365	Stays flat
Other assets	55	78	991	1,232	1,254	2,492	3,194	5,751	7,636	9,861	10,574	11,347	11,783	12,238	12,510	12,789	Grows as a % of revenues
as a % of revenues	1.7%	1.9%	14.2%	10.5%	16.9%	13.9%	13.9%	13.9%	13.9%	13.9%	13.9%	13.9%	13.9%	13.9%	13.9%	13.9%	<u> </u>
Total assets	5,831	8,068	22,664	28,655	27,910	36,547	43,230	65,112	81,814	101,953	109,648	118,037	123,708	129,655	134,135	138,732	4
Accounts payable	778	916	1.860	2.390	3.030	4.358	5.711	10.229	13.502	17.362	18.609	19.961	20.721	21,515	21,994	22.487	Working capital sheet
Accrued liabilities	269	423	1,210	1.731	1,815	2,711	3,475	6.257	8,308	10,728				13,315			
as a % of revenues	8.4%	10.4%	17.3%	14.7%		15.1%		15.1%	15.1%								
Deferred revenue	192	424	763	1.015	576	1.575	2.019	3.635	4.827	6.233			7.448	7.736			Grows as a % of revenues
as a % of revenues	6.0%	10.5%	10.9%	8.6%		8.8%		8.8%	8.8%								
Resale value quarantees	0.076	137	180	787	674	782	1.003	1.805	2.397	3.095				3.841			Grows as a % of revenues
as a % of revenues	0.0%	3.4%	2.6%	6.7%		4.3%		4.3%	4.3%								
Customer deposits	258	283	664	854	942	1.602	2.053	3.696	4.908	6.338			7.573	7.865			Grows as a % of revenues
as a % of revenues	8.1%	7.0%	9.5%	7.3%		8.9%		8.9%	8.9%		ST 441 COST						
Long-term debt	2.430	2.649	6.844	10.212	11.617	11.617	11.984	11.984	11.984	11.984		11.984	11.984	11,984	11.984		Financing sheet
Other liabilities	993	2,152	5,605	6.430	3,988	9,815	12,580	22,651	30,077	38,839		44.694	46,409	48,202			Grows as a % of revenue:
as a % of revenues	31.0%	53.2%	80.1%	54.7%	C	54.6%		54.6%	54.6%			1500 5000000000000000000000000000000000	100000000000000000000000000000000000000				
Total liabilities	4,919	6,984	17,126	23,421	22,643	32,459	38,825	60,257	76,003	94,580		107,012	110,654	114,458	116,738		
Equity	912	1,084	5,538	5,235	5,267	4,088	4,405	4,854	5,811	7,373				15,197	17,397	19,654	
Total liabilities & equity	5,831	8,068	22,664	28,655	27,910	36,547	43,230	65,112	81,814	101,953	109,648	118,037	123,708	129,655	134,135	138,732	A September 1

Ending cash = Beginning cash + Net cash flow

NOTE: Assumption of growth of assets and liabilities are made on the right column.

Cash Flow

							Tesla Cas	h Flow (in ml	in \$)					Name of the last o		
20	14 2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1.	ct Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
EBIT	(717)	(667)	(1,632)	(1,218)	(779)	(1,997)	663	1,382	2,108	2,972	3,216	3,483	3,640	3,803	3,883	3,966
Operating taxes (30%)	(13)	(27)	(32)	(19)	-	(19)	(199)	(415)	(632)	(892)	(965)	(1,045)	(1,092)	(1,141)	(1,165)	(1,190)
NOPAT	(730)	(694)	(1,664)	(1,238)	(779)	(2,017)	464	968	1,476	2,080	2,251	2,438	2,548	2,662	2,718	2,776
Add-back D&A	423	947	1,166	901	505	1,406	1,366	1,749	2,057	2,399	2,778	3,196	3,655	4,156	4,703	5,296
Gross Cash Flow	(307)	253	(497)	(336)	(274)	(611)	1,830	2,716	3,533	4,480	5,030	5,634	6,202	6,818	7,421	8,072
Changes in Trade receivables	58	(330)	(16)	(54)	(388)	(442)	(270)	(983)	(725)	(855)	(274)	(297)	(167)	(175)	(105)	(107)
Changes in Inventory	(324)	(790)	(196)	(1,061)	(1,748)	(2,810)	(1,575)	(5,258)	(3,810)	(4,493)	(1,451)	(1,574)	(884)	(924)	(558)	(573)
Changes in Accounts payable	138	944	530	640	1,328	1,968	1,353	4,517	3,273	3,860	1,247	1,352	760	794	480	492
Investments in Working Capital	(128)	(176)	318	(475)	(808)	(1,284)	(492)	(1,723)	(1,261)	(1,488)	(478)	(519)	(292)	(305)	(183)	(188)
Capex	(1,997)	(3,527)	(5,211)	(1,843)	(4,173)	(6,017)	(5,855)	(5,738)	(4,623)	(5,136)	(5,684)	(6,265)	(6,879)	(7,524)	(8,197)	(8,896)
Other assets	(1,105)	(8,700)	(1,760)	1,671	(1,391)	280	(864)	(3,147)	(2,321)	(2,738)	(878)	(952)	(536)	(560)	(335)	(344)
Other liabilties	1,708	5,002	2,397	(2,822)	8,489	5,666	4,645	16,915	12,472	14,717	4,717	5,117	2,882	3,010	1,801	1,848
Unlevered Free Cash Flow	(1,830)	(7,147)	(4,753)	(3,806)	1,842	(1,964)	(736)	9,023	7,799	9,834	2,706	3,016	1,377	1,440	506	491
Interest expenses	(159)	(79)	(577)	(290)	(400)	(714)	(714)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)
Delta Financial liabilities	219	4,195	3,368	1,404	-	1,404	368	-	-	-	-	-	-	-	-	-
Delta equity/Other equity movements	1,061	5,129	1,658	1,460	-	1,460	368	-	-	-	-	-	-	-	-	-
Tax adjustment	-	-	-	-	-	19	199	222	222	222	222	222	222	222	222	222
Minority interest	-	98	279	100	-	-	-	-	-	-	-	-	-	-	-	-
Net Cash Flow	(709)	2,196	(25)	(1,131)	1,441	205	(515)	8,504	7,281	9,315	2,187	2,497	858	921	(13)	(27)
App	72.00		- 1177				74.11	1000					17 17 17		- V 1/1	
Opening cash	1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,367.9	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7
Net Cash Flow	- (708.8)	2,196.3	(25.3)	(1,131.5)	1,441.4	205.5	(514.5)	8,504.0	7,280.6	9,315.1	2,187.5	2,496.8	858.4	921.1	(12.6)	(27.5)
Closing cash 1,905	.7 1,196.9	3,393.2	3,367.9	2,236.4	3,677.8	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7	34,582.2
Check		100	2		- 2	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4

Unlevered free cash flow, which helps the company to figure out the need for financing in the future.

NOTE: Other assets = Restricted Cash and Securities, Prepaid expenses, Operating Lease vehicles, Solar Energy system leased, Intangible assets, and Other assets.

Cash Flow

		Tesla Cash Flow (in mln \$)															
	201	4 2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Ac	t Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
EBIT		(717)	(667)	(1,632)	(1,218)	(779)	(1,997)	663	1,382	2,108	2,972	3,216	3,483	3,640	3,803	3,883	3,966
Operating taxes (30%)	330	(13)	(27)	(32)	(19)	-	(19)	(199)	(415)	(632)	(892)	(965)	(1,045)	(1,092)	(1,141)	(1,165)	(1,190)
NOPAT		(730)	(694)	(1,664)	(1,238)	(779)	(2,017)	464	968	1,476	2,080	2,251	2,438	2,548	2,662	2,718	2,776
Add-back D&A		423	947	1,166	901	505	1,406	1,366	1,749	2,057	2,399	2,778	3,196	3,655	4,156	4,703	5,296
Gross Cash Flow		(307)	253	(497)	(336)	(274)	(611)	1,830	2,716	3,533	4,480	5,030	5,634	6,202	6,818	7,421	8,072
Changes in Trade receivables		58	(330)	(16)	(54)	(388)	(442)	(270)	(983)	(725)	(855)	(274)	(297)	(167)	(175)	(105)	(107)
Changes in Inventory		(324)	(790)	(196)	(1,061)	(1,748)	(2,810)	(1,575)	(5,258)	(3,810)	(4,493)	(1,451)	(1,574)	(884)	(924)	(558)	(573)
Changes in Accounts payable		138	944	530	640	1,328	1,968	1,353	4,517	3,273	3,860	1,247	1,352	760	794	480	492
Investments in Working Capital		(128)	(176)	318	(475)	(808)	(1,284)	(492)	(1,723)	(1,261)	(1,488)	(478)	(519)	(292)	(305)	(183)	(188)
Capex		(1,997)	(3,527)	(5,211)	(1,843)	(4,173)	(6,017)	(5,855)	(5,738)	(4,623)	(5,136)	(5,684)	(6,265)	(6,879)	(7,524)	(8,197)	(8,896)
Other assets		(1,105)	(8,700)	(1,760)	1,671	(1,391)	280	(864)	(3,147)	(2,321)	(2,738)	(878)	(952)	(536)	(560)	(335)	(344)
Other liabilties		1,708	5,002	2,397	(2,822)	8,489	5,666	4,645	16,915	12,472	14,717	4,717	5,117	2,882	3,010	1,801	1,848
Unlevered Free Cash Flow		(1,830)	(7,147)	(4,753)	(3,806)	1,842	(1,964)	(736)	9,023	7,799	9,834	2,706	3,016	1,377	1,440	506	491
Interest expenses		(159)	(79)	(577)	(290)	(400)	(714)	(714)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)
Delta Financial liabilities		219	4,195	3,368	1,404	-	1,404	368	-	-	-	-	-	-	-	-	-
Delta equity/Other equity movements	•	1,061	5,129	1,658	1,460	-	1,460	368	-	-	-	-	-	-	-	-	-
Tax adjustment		-	-	-	-	-	19	199	222	222	222	222	222	222	222	222	222
Minority interest		-	98	279	100	-	-	-	-	-	-	-	-	-	-	-	-
Net Cash Flow		(709)	2,196	(25)	(1,131)	1,441	205	(515)	8,504	7,281	9,315	2,187	2,497	858	921	(13)	(27)
N. 200 (100 - 100)		94.11	12.70	11110			5.175	7417	-11/1/1					17/20		1.11	10000
Opening cash		1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,367.9	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7
Net Cash Flow	-	(708.8)	2,196.3	(25.3)	(1,131.5)	1,441.4	205.5	(514.5)	8,504.0	7,280.6	9,315.1	2,187.5	2,496.8	858.4	921.1	(12.6)	(27.5)
Closing cash	1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,677.8	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7	34,582.2
Check			322				104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
CHOCK	-	-	-	_	-		104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4

NOTE: Operating taxes are different from cash taxes. D&A is a non-monetary expenses. To calculate WC: when assets increase cash outflow (-), when assets decrease cash inflow (+). For liabilities, when liabilities increase cash inflow (+), when liabilities decrease cash outflow (-). Capex is money that the company spends (-).

Cash Flow

	to the second se																
								Tesla Casl	h Flow (in ml	n \$)					No extraction in		
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
EBIT		(717)	(667)	(1,632)	(1,218)	(779)	(1,997)	663	1,382	2,108	2,972	3,216	3,483	3,640	3,803	3,883	3,966
Operating taxes (30%)		(13)	(27)	(32)	(19)	-	(19)	(199)	(415)	(632)	(892)	(965)	(1,045)	(1,092)	(1,141)	(1,165)	(1,190)
NOPAT		(730)	(694)	(1,664)	(1,238)	(779)	(2,017)	464	968	1,476	2,080	2,251	2,438	2,548	2,662	2,718	2,776
Add-back D&A		423	947	1,166	901	505	1,406	1,366	1,749	2,057	2,399	2,778	3,196	3,655	4,156	4,703	5,296
Gross Cash Flow		(307)	253	(497)	(336)	(274)	(611)	1,830	2,716	3,533	4,480	5,030	5,634	6,202	6,818	7,421	8,072
Changes in Trade receivables		58	(330)	(16)	(54)	(388)	(442)	(270)	(983)	(725)	(855)	(274)	(297)	(167)	(175)	(105)	(107)
Changes in Inventory		(324)	(790)	(196)	(1,061)	(1,748)	(2,810)	(1,575)	(5,258)	(3,810)	(4,493)	(1,451)	(1,574)	(884)	(924)	(558)	(573)
Changes in Accounts payable		138	944	530	640	1,328	1,968	1,353	4,517	3,273	3,860	1,247	1,352	760	794	480	492
Investments in Working Capital		(128)	(176)	318	(475)	(808)	(1,284)	(492)	(1,723)	(1,261)	(1,488)	(478)	(519)	(292)	(305)	(183)	(188)
Capex		(1,997)	(3,527)	(5,211)	(1,843)	(4,173)	(6,017)	(5,855)	(5,738)	(4,623)	(5,136)	(5,684)	(6,265)	(6,879)	(7,524)	(8,197)	(8,896)
Other assets		(1,105)	(8,700)	(1,760)	1,671	(1,391)	280	(864)	(3,147)	(2,321)	(2,738)	(878)	(952)	(536)	(560)	(335)	(344)
Other liabilties		1,708	5,002	2,397	(2,822)	8,489	5,666	4,645	16,915	12,472	14,717	4,717	5,117	2,882	3,010	1,801	1,848
Unlevered Free Cash Flow		(1,830)	(7,147)	(4,753)	(3,806)	1,842	(1,964)	(736)	9,023	7,799	9,834	2,706	3,016	1,377	1,440	506	491
Interest expenses		(159)	(79)	(577)	(290)	(400)	(714)	(714)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)
Delta Financial liabilities		219	4,195	3,368	1,404	-	1,404	368	-	-	-	-	-	-	-	-	-
Delta equity/Other equity movements		1,061	5,129	1,658	1,460	-	1,460	368	-	-	-	-	-	-	-	-	-
Tax adjustment		-	10-01	-	-	-	19	199	222	222	222	222	222	222	222	222	222
Minority interest		-	98	279	100	-	-	-	-	-	-	-	-	-	-	-	-
Net Cash Flow		(709)	2,196	(25)	(1,131)	1,441	205	(515)	8,504	7,281	9,315	2,187	2,497	858	921	(13)	(27)
Opening cash		1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,367.9	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7
Net Cash Flow		(708.8)	2,196.3	(25.3)	(1,131.5)	1,441.4	205.5	(514.5)	8,504.0	7,280.6	9,315.1	2,187.5	2,496.8	858.4	921.1	(12.6)	(27.5)
Closing cash	1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,677.8	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7	34,582.2
Check	_	U	_	-	_	-	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4

- 1. Other assets = Restricted Cash and Securities, Prepaid expenses, Operating Lease vehicles, Solar Energy system leased, Intangible assets, and Other assets.
- 2. Other Liabilities = Accrued Liabilities, Deferred revenue, Resale value guarantees, Customer deposits, and other liabilities.

Cash Flow

									h Flow (in ml								
(# i:!!i)	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million) EBIT	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
		(717)	(667)	(1,632)	(1,218)	(779)	(1,997)	663	1,382	2,108	2,972	3,216	3,483	3,640	3,803	3,883	3,966
Operating taxes (30%) NOPAT	•	(13)	(27)	(32)	(19)	- (770)	(19)	(199) 464	(415) 968	(632)	(892)	(965)	(1,045)	(1,092)	(1,141)	(1,165)	(1,190)
Add-back D&A	•	(730) 423	(694) 947	(1,664) 1,166	(1,238) 901	(779) 505	(2,017) 1,406	1,366	1.749	1,476 2,057	2,080 2,399	2,251 2,778	2,438 3,196	2,548 3,655	2,662 4,156	2,718 4,703	2,776 5,296
Gross Cash Flow	87	(307)	253	(497)	(336)	(274)	(611)	1,830	2,716	3,533	4,480	5,030	5,634	6,202	6,818	7,421	8,072
		137		77													
Changes in Trade receivables		58	(330)	(16)	(54)	(388)	(442)	(270)	(983)	(725)	(855)	(274)	(297)	(167)	(175)	(105)	(107)
Changes in Inventory		(324)	(790)	(196)	(1,061)	(1,748)	(2,810)	(1,575)	(5,258)	(3,810)	(4,493)	(1,451)	(1,574)	(884)	(924)	(558)	(573)
Changes in Accounts payable		138	944	530	640	1,328	1,968	1,353	4,517	3,273	3,860	1,247	1,352	760	794	480	492
Investments in Working Capital		(128)	(176)	318	(475)	(808)	(1,284)	(492)	(1,723)	(1,261)	(1,488)	(478)	(519)	(292)	(305)	(183)	(188)
Capex		(1,997)	(3,527)	(5,211)	(1,843)	(4,173)	(6,017)	(5,855)	(5,738)	(4,623)	(5,136)	(5,684)	(6,265)	(6,879)	(7,524)	(8,197)	(8,896)
Other assets		(1,105)	(8,700)	(1,760)	1,671	(1,391)	280	(864)	(3,147)	(2,321)	(2,738)	(878)	(952)	(536)	(560)	(335)	(344)
Other liabilties		1,708	5,002	2,397	(2,822)	8,489	5,666	4,645	16,915	12,472	14,717	4,717	5,117	2,882	3,010	1,801	1,848
Unlevered Free Cash Flow		(1,830)	(7,147)	(4,753)	(3,806)	1,842	(1,964)	(736)	9,023	7,799	9,834	2,706	3,016	1,377	1,440	506	491
Interest expenses		(159)	(79)	(577)	(290)	(400)	(714)	(714)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)
Delta Financial liabilities		219	4.195	3,368	1,404	-	1,404	368	-	-	-	-	-	-	-	-	-
Delta equity/Other equity movements	•	1,061	5,129	1,658	1,460	-	1,460	368	-	-	-	-	-	_	-	-	-
Tax adjustment		-		-	-	-	19	199	222	222	222	222	222	222	222	222	222
Minority interest		-	98	279	100	-	-	-	-	-		-	-	-	-	-	-
Net Cash Flow		(709)	2,196	(25)	(1,131)	1,441	205	(515)	8,504	7,281	9,315	2,187	2,497	858	921	(13)	(27)
		92.59		11/1/2			1,111,11	1411						17/27		1. 1111	1000
Opening cash		1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,367.9	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7
Net Cash Flow	-	(708.8)	2,196.3	(25.3)	(1,131.5)	1,441.4	205.5	(514.5)	8,504.0	7,280.6	9,315.1	2,187.5	2,496.8	858.4	921.1	(12.6)	(27.5)
Closing cash	1,905.7	1,196.9	3,393.2	3,367.9	2,236.4	3,677.8	3,573.4	3,058.9	11,562.9	18,843.4	28,158.5	30,346.0	32,842.8	33,701.2	34,622.3	34,609.7	34,582.2
Check																	
		-	-	-	-	-	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4

Unlevered Free Cash Flow = Gross Cash Flow + Investment in Working Capital + Capex + Other assets + Other liabilities

NOTE: Unlevered Free Cash Flow (debt free company)

Cash Flow

	Tesla Cash Flow (in mln \$)																
	2014	2015	2016	2017	2018 H1	2018 H2	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
(\$ in million)	Act	Act	Act	Act	Act	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst	Fcst
EBIT		(717)	(667)	(1,632)	(1,218)	(779)	(1,997)	663	1,382	2,108	2,972	3,216	3,483	3,640	3,803	3,883	3,966
Operating taxes (30%)	<u> </u>	(13)	(27)	(32)	(19)	-	(19)	(199)	(415)	(632)	(892)	(965)	(1,045)	(1,092)	(1,141)	(1,165)	(1,190)
NOPAT		(730)	(694)	(1,664)	(1,238)	(779)	(2,017)	464	968	1,476	2,080	2,251	2,438	2,548	2,662	2,718	2,776
Add-back D&A		423	947	1,166	901	505	1,406	1,366	1,749	2,057	2,399	2,778	3,196	3,655	4,156	4,703	5,296
Gross Cash Flow		(307)	253	(497)	(336)	(274)	(611)	1,830	2,716	3,533	4,480	5,030	5,634	6,202	6,818	7,421	8,072
Changes in Trade receivables		58	(330)	(16)	(54)	(388)	(442)	(270)	(983)	(725)	(855)	(274)	(297)	(167)	(175)	(105)	(107)
Changes in Inventory		(324)	(790)	(196)	(1,061)	(1,748)	(2,810)	(1,575)	(5,258)	(3,810)	(4,493)	(1,451)	(1,574)	(884)	(924)	(558)	(573)
Changes in Accounts payable		138	944	530	640	1,328	1,968	1,353	4,517	3,273	3,860	1,247	1,352	760	794	480	492
Investments in Working Capital		(128)	(176)	318	(475)	(808)	(1,284)	(492)	(1,723)	(1,261)	(1,488)	(478)	(519)	(292)	(305)	(183)	(188)
Capex		(1.997)	(3,527)	(5,211)	(1,843)	(4,173)	(6,017)	(5.855)	(5,738)	(4,623)	(5,136)	(5,684)	(6,265)	(6,879)	(7.524)	(8,197)	(8,896)
Other assets		(1,105)	(8,700)	(1,760)	1,671	(1,391)	280	(864)	(3,147)	(2,321)	(2,738)	(878)	(952)	(536)	(560)	(335)	(344)
Other liabilties		1,708	5,002	2,397	(2,822)	8,489	5,666	4,645	16,915	12,472	14,717	4,717	5,117	2,882	3,010	1,801	1,848
Unlevered Free Cash Flow		(1,830)	(7,147)	(4,753)	(3,806)	1,842	(1,964)	(736)	9,023	7,799	9,834	2,706	3,016	1,377	1,440	506	491
Interest expenses		(159)	(79)	(577)	(290)	(400)	(714)	(714)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)	(741)
Delta Financial liabilities		219	4,195	3,368	1,404	-	1,404	368	-	-	-	-	-	-	-	-	-
Delta equity/Other equity movements		1,061	5,129	1,658	1,460	-	1,460	368	-	-	-	-	-	-	-	-	-
Tax adjustment		-	-	-	-	-	19	199	222	222	222	222	222	222	222	222	222
Minority interest		5	98	279	100	-	-	-	-	-	-	-	-	-	-	-	-
Net Cash Flow		(709)	2,196	(25)	(1,131)	1,441	205	(515)	8,504	7,281	9,315	2,187	2,497	858	921	(13)	(27)
Opening cash		1.905.7	1.196.9	3.393.2	3,367.9	2.236.4	3.367.9	3.573.4	3.058.9	11.562.9	18.843.4	28.158.5	30.346.0	32.842.8	33.701.2	34.622.3	34,609,7
Net Cash Flow		(708.8)	2.196.3	(25.3)	(1,131.5)	1,441.4	205.5	(514.5)	8,504.0	7,280.6	9.315.1	2.187.5	2.496.8	858.4	921.1	(12.6)	(27.5)
Closing cash	1.905.7	1.196.9	3.393.2	3.367.9	2.236.4	3.677.8	3.573.4	3.058.9	11,562.9	18.843.4	28.158.5	30.346.0	32.842.8	33.701.2	34.622.3	34.609.7	34,582.2
Clusting cash	1,505.7	1,130.3	3,383.2	3,307.9	2,230.4	3,011.0	3,313.4	3,030.9	11,302.9	10,043.4	20,130.5	30,340.0	32,042.0	33,701.2	34,022.3	34,009.7	34,302.2
Check	-	_	-	-	-	-	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4

Net Cash Flow = Interest Expense

- + Delta Financial Liabilities = (Debt current period Debt previous period)
- + Delta equity = (Ending equity Beginning equity +/- Net income/loss +/- Other equity movement (dividends or any increase of Capital))
- + Tax adjustment = Taxes (P&L) Operating taxes (Cash Flow)
- + Minority interest (in the P&L)

Thank you