

#### 招商银行全资附属机构 A Wholly Owned Subsidiary Of China Merchants Bank

# BYD (002594 CH)

## A shining monthly delivery of model "Han"

BYD's Aug auto sales data was a bit mixed in our view. ICE and NEV bus sales continued good sales performance, and the new Han EV had a brilliant performance with a sales volume of 4K units in Aug, while overall NEV sales looked sluggish with an 8.6% YoY decline. We are not too concerned about the Aug sales data, as we expect the growth pace to pick up with the new NEV model and blade battery to release capacity. We trim 2020E earnings slightly by 5% on conservative NEV sales project. We are optimistic on 2021E, as our earnings and valuation remain intact. **Reiterate BUY rating with TP unchanged at RMB113.1.** 

- NEV sales lagging behind our projection pace. BYD's NEV sales in Aug was 15,283 units (+1.2% MoM / -8.6% YoY), reflecting slow recovery in Aug, and sales pace is lagging our projection. However, we spot some positive signs in Aug auto sales, including 1) BYD's official Weibo disclosed it delivered 4K units of flagship Han series NEV; 2) NEV bus sales remained strong at 1,051 units, up 114% YoY; and 3) PHEV sales reached 4,595 units (-9.8% YoY/+37.6% MoM), marking a bottom-out in PHEV segment.
- NEV outlook remains optimistic. We are not too concerned about slower-than-expected Aug NEV sales, since we believe 1) some NEV demand was delayed as BYD is in a new product launching cycle in 2H20E; 2) hot sales of Han series reflects consumers' recognition of BYD's efforts in promoting safety, while the safety-focused blade battery capacity is still ramping up; and 3) sales of ride-hailing NEV models (e5) still suffered economic impacts associated with COVID-19. Based on 8M20 sales update, we trim the FY20 NEV sales projection to 183K units, reflecting a decline of 20.4% YoY. Looking ahead to FY21E, supported by the new NEV model based on the DM4.0 platform (PHEV), and capacity release from blade battery (EV), our NEV sales outlook on BYD remains optimistic. We estimate BYD's 2021E NEV sales volume will achieve 300K units, representing an increase of 64.4% YoY.
- ICE segment remains strong. In Aug, the sales volume of ICE was 21,499 units, up 11.5% YoY. It was mainly driven by sedans and SUVs, of which sedan sales were 4,284 units (+92.7% YoY) and SUV sales were 13,813 units (+6.7% YoY). We believe shining ICE sales performance was attributable to best-selling of Song Pro. With the rollout of Tang (2021 edition in Aug) and upcoming models such as Song Plus (expected in Sep), we expect ICE sales to maintain strong momentum. We raised our ICE sales volume forecast to 250K in 2020E, partially offsetting the decline in sales of NEV.

## **Earnings Summary**

(YE 31 Dec)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue (RMB mn)	130,055	127,739	161,455	207,824	277,832
YoY growth (%)	22.79%	-1.78%	26.40%	28.72%	33.69%
Net income (RMB mn)	2,780	1,614	3,950	4,638	9,659
EPS (RMB)	0.93	0.50	1.35	1.60	3.44
YoY growth (%)	-34%	-47%	172%	19%	115%
Consensus EPS(RMB)	N/A	N/A	1.05	1.20	1.65
P/E (x)	101.65	190.45	70.09	59.06	27.50
P/B (x)	4.68	4.55	4.23	3.92	3.36
Yield (%)	0.27%	0.08%	0.19%	0.22%	0.46%
ROE (%)	5.05%	2.88%	6.70%	7.30%	13.53%
Net gearing (%)	64%	79%	90%	83%	78%
Source: Company data, Bloc	mberg, CMBIS	estimates			

## **BUY (Maintain)**

Target Price RMB113.1 (Previous TP RMB113.1) Up/Downside +19.4% Current Price RMB94.7

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## Stock Data

Mkt Cap (RMB mn)	240,403
Avg 3 mths t/o (RMB mn)	2,239
52-week high/low	97.84/42.27
Total Issued Shares (mn)	915 (H)
	1.813 (A)

Source: Bloomberg

## **Shareholding Structure**

Wang Chuanfu	18.83%
Lv Xiangyang	8.77%
Bershire Hathaway Energy	8.25%

Source: Company announcement

## **Share Performance**

	Absolute	Relative
1-mth	11.0%	12.0%
3-mth	50.0%	28.5%
6-mth	45.1%	28.6%

Source: Bloomberg

## 12-mth Price Performance



Source: Wind

## **Auditor: Ernst & Young**

## **Related Report**

- "BYD (002594 CH) Expect high growth of NEV in 2H20E" – 1 Sep 2020
- 2. "BYD (002594 CH) Hidden giant in the cave" 23 Jul 2020

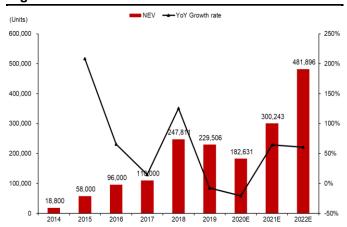


■ 2021E outlook and TP remain intact; maintain BUY. We trim down 2020E earnings forecast by 5% based on 1) slower-than-expected NEV sales led by delay in the launch of new models; 2) the increase in the market share of ICE; and 3) the better-than-expected sales of NECV bus. However, we remain confident in BYD's auto sales in 2021E given 1) the launch of the DM4.0 model in 1Q21E; 2) the production capacity release of blade battery; and 3) recovery of the overall NEV market. As a result, we maintain our 2021E bottom-line forecast at RMB4.6bn. Our earnings forecast and valuation for 2021E remain intact. Reiterate BUY rating with a TP of RMB113.1.



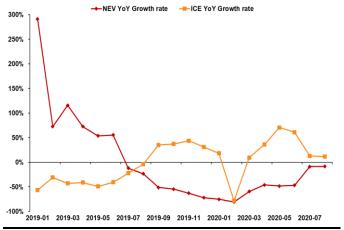
## **Focus chart**

Figure 1: NEV Sales volume forecast: BYD



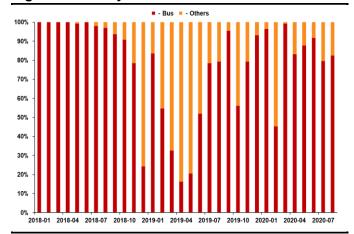
Source: Company data, CMBIS estimates

Figure 3: Monthly sales review: by NEV/ICE



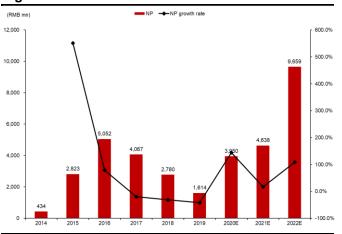
Source: Company data

Figure 5: Monthly sales review: NECV



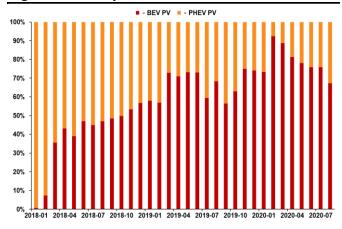
Source: Company data

Figure 2: Bottom-line forecast



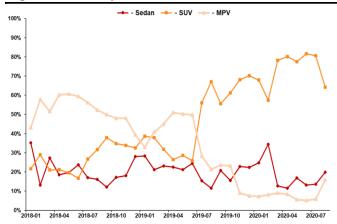
Source: Company data, CMBIS estimates

Figure 4: Monthly sales review: NEPV



Source: Company data

Figure 6: Monthly sales review: ICE



Source: Company data



# **Earnings Revision**

Figure 7: Earnings revision

	Ne	w	0	ld	Change (%)		
(RMB mn)	FY20E	FY21E	FY20E	FY21E	FY20E	FY21E	
Revenue	161,455	207,824	165,758	208,809	-3%	0%	
Gross profit	26,780	32,738	27,979	33,131	-4%	-1%	
Operating profit	5,502	6,719	5,820	6,709	-5%	0%	
Net profit	3,950	4,638	4,171	4,632	-5%	0%	
EPS (RMB)	1.35	1.60	1.43	1.60	-6%	0%	
GPM	16.59%	15.75%	16.88%	15.87%	-0.3 ppt	-0.1 ppt	
OPM	3.41%	3.23%	3.51%	3.21%	-0.1 ppt	0.0 ppt	
NPM	2.45%	2.23%	2.52%	2.22%	-0.1 ppt	0.0 ppt	

Source: CMBIS estimates

Figure 8: CMBIS estimates vs consensus

(DMD mm)	CMB	IS	Conse	nsus	Diff (%)		
(RMB mn)	FY20E	FY21E	FY20E	FY21E	FY20E	FY21E	
Revenue	161,455	207,824	141,344	163,431	14%	27%	
Gross profit	26,780	32,738	22,096	24,836	21%	32%	
Operating profit	5,502	6,719	8,341	9,108	-34%	-26%	
Net profit	3,950	4,638	3,415	3,642	16%	27%	
EPS (RMB)	1.35	1.60	1.26	1.34	7%	19%	
GPM	16.59%	15.75%	15.63%	15.20%	1.0 ppt	0.6 ppt	
OPM	3.41%	3.23%	5.90%	5.57%	-2.5 ppt	-2.3 ppt	
NPM	2.45%	2.23%	2.42%	2.23%	0.0 ppt	0.0 ppt	

Source: Bloomberg, CMBIS estimates

Figure 9: Revenue breakdown

(RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Automobiles and Related Products	76,007	63,266	62,154	81,675	118,894
YoY	34%	-17%	-2%	31%	46%
Handset Components and Assembly Services	42,230	53,380	86,049	108,851	125,832
YoY	4%	26%	61%	27%	16%
Rechargeable Batteries and Photovoltaic	8,950	10,506	12,607	14,498	16,238
YoY	2%	17%	20%	15%	12%
Other business	2,868	587	646	807	969
YoY	5524%	-80%	10%	25%	20%
Total Explicit revenue	130,055	127,739	161,455	205,832	261,932
YoY	23%	-2%	26%	27%	27%
Power battery				1,614	15,085
YoY					835%
IGBT				378	815
YoY					115%
Total	130,055	127,739	161,455	207,824	277,832
YoY	23%	-2%	26%	29%	34%

Source: Company data, CMBIS estimates



Figure 10: P&L breakdown

(RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue	130,055	127,739	161,455	207,824	277,832
YoY	22.79%	-1.78%	26.40%	28.72%	33.69%
Cost of sales	(108,725)	(106,924)	(134,675)	(175,086)	(231,622)
Gross profit	21,330	20,814	26,780	32,738	46,210
GPM (%)	16.40%	16.29%	16.59%	15.75%	16.63%
YoY	5.91%	-2.42%	28.66%	22.25%	41.15%
Selling Exp	(4,729)	(4,346)	(5,328)	(7,066)	(9,724)
% of rev	-3.64%	-3.40%	-3.30%	-3.40%	-3.50%
Admin Exp	(4,989)	(5,629)	(6,458)	(7,897)	(9,168)
% of rev	-3.84%	-4.41%	-4.00%	-3.80%	-3.30%
Operating profit	4,241	2,312	5,502	6,719	13,905
OPM (%)	3.26%	1.81%	3.41%	3.23%	5.00%
YoY	-21.62%	-45.48%	137.93%	22.13%	106.94%
Net profit	2,780	1,614	3,950	4,638	9,659
NPM (%)	2.14%	1.26%	2.45%	2.23%	3.48%
YoY	-31.64%	-41.93%	144.64%	17.43%	108.25%

Source: Company data, CMBIS estimates

Figure 11: Interim/Full-year P&L breakdown

(RMB mn)	1H19	1H20	YoY	2H19	2H20E	YoY
Revenue	62,184	60,503	-3%	65,554	100,952	54%
Cost of sales	(51,523)	(48,647)	-6%	(55,401)	(86,029)	55%
Gross profit	10,661	11,856	11%	10,153	14,924	47%
Taxes and levies	(769)	(676)	-12%	(792)	(1,262)	59%
Selling and distribution exp	(2,301)	(2,005)	-13%	(2,045)	(3,323)	62%
Administrative expenses	(2,071)	(2,020)	-2%	(2,070)	(2,630)	27%
R&D expenses	(2,495)	(2,525)	1%	(3,134)	(3,933)	25%
Finance costs	(1,453)	(1,664)	15%	(1,561)	(2,050)	31%
Other income	899	733	-18%	824	1,590	93%
Investment income	(273)	(128)	-53%	(535)	(437)	-18%
GL from changes in fair values	5	42	787%	5	(100)	-2124%
Impairment losses on assets/credit	(389)	(659)	69%	(247)	(155)	-37%
GL on disposal of subsidiaries	(26)	(7)	-73%	(74)	(71)	-4%
Operating profit/(loss)	1,789	2,948	65%	523	2,553	388%
Non-operating income	112	104	-7%	115	381	232%
Non-operating expense	(27)	(124)	355%	(80)	3	-103%
Profit before income tax	1,874	2,928	56%	557	2,937	427%
Income tax expense	(225)	(545)	142%	(87)	(321)	269%
Profit for the year	1,648	2,383	45%	471	2,616	456%
Non-controlling interests	194	721	272%	311	329	6%
NP	1,455	1,662	14%	160	2,287	1331%

Source: Company data, CMBIS estimates



# **Financial Summary**

Income statement						Cash flow					
YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E	YE 31 Dec (RMB mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue	130,055	127,739	161,455	207,824	277,832	Net income	2,780	1,614	3,950	4,638	9,659
Cost of sales	(108,725)	(106,924)	(134,675)	(175,086)	(231,622)	D&A	9,995	9,933	10,035	12,193	14,571
Gross profit	21,330	20,814	26,780	32,738	46,210	Change in working capital	(291)	3,233	4,561	6,499	1,090
						Others	(543)	6,427	-	-	-
Taxes and levies	(2,146)	(1,561)	(1,937)	(2,494)	(3,334)	Net cash from operating	12,523	14,741	10,290	11,440	25,097
S&D exp	(4,729)	(4,346)	(5,328)	(7,066)	(9,724)						
R&D exp	(3,760)	(4,141)	(4,650)	(5,965)	(7,918)	Capex & investments	(6,076)	(12,040)	(12,992)	(13,608)	(14,961)
Admin exp	(4,989)	(5,629)	(6,458)	(7,897)	(9,168)	Associated companies	(496)	(499)	(406)	(447)	(491)
Finance costs	(2,997)	(3,014)	(3,714)	(4,325)	(4,273)	Others	(7,659)	(8,342)	(4,118)	(5,007)	(6,537)
Impairment losses	(1,020)	(636)	(814)	(1,039)	(1,391)	Net cash from investing	(14,231)	(20,881)	(17,516)	(19,062)	(21,990)
Other income	2,328	1,724	2,324	3,172	3,996						
Investment income	248	(809)	(565)	(312)	(278)	Equity raised	-	-	-	-	-
GL from changes in FV	(5)	10	(58)	4	(39)	Change of Debts	5,076	10,535	15,260	14,284	5,755
GL on disposal	(19)	(100)	(78)	(96)	(175)	Dividend paid	(557)	(164)	(395)	(464)	(966)
Operating profit/(loss)	4,241	2,312	5,502	6,719	13,905	Others	(603)	(3,761)	6,987	6,087	9,661
Non-operating income	230	226	484	416	500	Net cash from financing	3,917	6,610	10,339	8,485	(285)
Non-operating expense	(86)	(107)	(121)	(156)	(221)						
Profit before income tax	4,385	2,431	5,865	6,979	14,184	Net change in cash	2,209	470	3,113	863	2,822
Income tax expense	(829)	(312)	(866)	(1,108)	(1,958)	Cash at the beginning	9,903	13,052	12,650	15,763	16,626
Profit for the year	3,556	2,119	4,999	5,871	12,226	Others	941	(872)	-	-	-
Non-controlling interests	776	504	1,050	1,233	2,568	Cash at the end	13,052	12,650	15,763	16,626	19,448
NP	2,780	1,614	3,950	4,638	9,659	Less: pledged cash	_	_	_	_	_

Balance sheet						Key ratios					
YE 31 Dec (RMB mn) Non-current assets	FY18A 79,361	FY19A 88,675	FY20E 101,756	FY21E 115,429	FY22E 130,979	YE 31 Dec Sales mix (%)	FY18A	FY19A	FY20E	FY21E	FY22E
Fixed asset	43,679	49,443	58,001	66,220	74,742	Automobiles	58%	50%	38%	39%	43%
Intangible assets	11,314	12,650	14,840	16,943	19,123	Handset Components	32%	42%	53%	52%	45%
Interest in joint	3,561	4,060	4,466	4,913	5,404	Rechargeable Batteries	7%	8%	8%	7%	6%
Other non-current assets	20,807	22,521	24,450	27,354	31,711	Other business	2%	0%	0%	0%	0%
						Power battery	0%	0%	0%	1%	5%
Current assets	115,211	106,967	131,157	160,545	194,961	IGBT	0%	0%	0%	0%	0%
Cash	13,052	12,650	15,763	16,626	19,448	Total	100%	100%	100%	100%	100%
Account receivable	49,284	43,934	53,818	67,040	79,380						
Inventory	26,330	25,572	32,688	41,687	51,472	P&L ratios (%)					
Other current assets	26,545	24,811	28,888	35,191	44,661	Gross profit margin	16%	16%	17%	16%	17%
						Pre-tax margin	3%	2%	4%	3%	5%
Current liabilities	116,569	108,029	136,186	171,172	205,328	Net margin	3%	2%	3%	3%	4%
Borrowings	37,789	40,332	51,998	64,959	68,611	Effective tax rate	19%	13%	15%	16%	14%
Account payables	46,283	36,168	44,892	56,479	72,382	Balance sheet ratios					
Other payables	13,568	11,217	14,141	18,384	24,320	Current ratio (x)	0.99	0.99	0.96	0.94	0.95
Tax payables	18,930	20,311	25,155	31,349	40,015	Quick ratio (x)	0.59	0.59	0.56	0.53	0.52
						Cash ratio (x)	0.11	0.12	0.12	0.10	0.09
Non-current liabilities	17,308	25,011	29,699	32,224	36,181	Debtors turnover days	138	126	122	118	104
Borrowings	13,924	21,916	25,511	26,834	28,937	Total debt / total equity	221%	213%	247%	280%	286%
Provisions	66	103	69	89	157	Net debt / equity ratio	64%	79%	90%	83%	78%
Deferred income tax	-	-	-	-	-	Returns (%)					
Others	3,317	2,992	4,118	5,301	7,087	ROE	5%	3%	7%	7%	14%
						ROA	4%	3%	4%	4%	6%
Total equity	60,694	62,601	67,029	72,578	84,432	Per share					
Minority Interest	5,496	5,839	5,954	6,597	7,587	EPS (RMB)	0.93	0.50	1.35	1.60	3.44
Shareholders' equity	55,198	56,762	61,074	65,981	76,844	DPS (RMB)	0.20	0.06	0.14	0.17	0.35
						BVPS (RMB)	20.23	20.81	22.39	24.19	28.17

Source: Company data, CMBIS estimates

Note: \*All numbers are based on A share financial statement



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BUY
Stock with potential return of over 15% over next 12 months
Stock with potential return of +15% to -10% over next 12 months
Stock with potential loss of over 10% over next 12 months

NOT RATED : Stock is not rated by CMBIS

OUTPERFORM : Industry expected to outperform the relevant broad market benchmark over next 12 months

MARKET-PERFORM : Industry expected to perform in-line with the relevant broad market benchmark over next 12 months

UNDERPERFORM : Industry expected to underperform the relevant broad market benchmark over next 12 months

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