

Huatai Research

29 March 2020

Equity | China | Auto Parts

BUY | TP HKD12.00

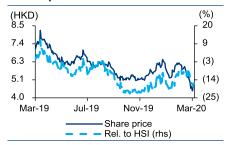
Maintained

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Key data

Target price (HKD)	12.00
Closing price (HKD as of 27 Mar)	4.83
Upside +/- (%)	148
Mkt cap (USDmn)	719
6m avg daily val (USDmn)	2.22
52wk price range (HKD)	8.21/4.45
BVPS (RMB)	5.92

Share performance



Source: FactSet

Margins boosted by declined lead prices in 2019

Strong results in 2019: net profit up 29% yoy

Tianneng Power (Tianneng) reported (27 March) its 2019 financial results: total revenue increased 18% yoy to RMB40.6bn and NPAT rose 29% yoy to RMB1.68bn, beating our/Bloomberg consensus estimates by 15/22%. We attribute the strong earnings growth to the gross profit improvement of its battery manufacturing business, a result of declined lead prices in 2019. Overall, we believe Tianneng will benefit from the rising demand for lead-acid battery for electric bikes and market consolidation, given its leading position in the lead-acid battery manufacture ring industry. We raise our profit estimates by 6/3% for 2020/2021, and maintain our target price of HKD12.00.

Battery business benefiting from declined lead prices

Lead cost made up over 70% of total production cost of lead-acid batteries in 2019, during which lead prices declined by c. 13% yoy, which led to an ASP decline in Tianneng's battery manufacturing segment. As a result, sales revenue of the battery manufacturing business declined 4% yoy to RMB30.6bn. However, Tianneng was able to benefit slightly from the lead price decline and the gross profit margin of battery manufacturing rose 2.7pps to 15.4%, a key driver for its margin improvement and net profit growth.

Tianneng continues to benefit from market consolidation

Tianneng is China's biggest manufacturer of lead-acid batteries used for electric bikes and tricycles, according to company data. The strict regulations of lead-acid battery production in recent years to prevent environmental pollution reduced the number of competitors in the industry to c. 30-60 in 2018 from over 3,000 before 2010. Overall, we believe the tightened regulations will benefit market leaders as they have more resources to invest in production facility upgrade. We believe Tianneng will continue to dominate the market with potential to gain market share and deliver modest profit growth in coming years.

Maintain BUY on Tianneng's strong market position

Tianneng delivered solid growth in sales and profit in 2017-2019 and generated strong cash flow. It announced a DPS of HKD0.39 for 2019, implying a dividend yield of 8.1% based on 27 March closing price. Overall, we believe Tianneng is able to generate solid shareholder returns we maintain our BUY rating. The stock trades at 3.0x 2020E PE and 0.6x 2020E PB, at attractive valuations, in our view.

Financials

FY18	FY19	FY20E	FY21E	FY22E
34,751	40,614	42,231	43,941	45,726
29.2	16.9	4.0	4.0	4.1
1,301	1,682	1,716	1,773	1,829
10.4	29.3	2.0	3.3	3.2
1.128	1.465	1.495	1.545	1.593
3.9	3.0	3.0	2.9	2.8
0.9	0.7	0.6	0.5	0.5
1.5	1.1	0.8	0.8	0.5
7.5	7.6	10.3	10.7	11.0
28.0	12.5	19.7	12.4	31.0
	34,751 29.2 1,301 10.4 1.128 3.9 0.9 1.5 7.5	34,751 40,614 29.2 16.9 1,301 1,682 10.4 29.3 1.128 1.465 3.9 3.0 0.9 0.7 1.5 1.1 7.5 7.6	34,751 40,614 42,231 29.2 16.9 4.0 1,301 1,682 1,716 10.4 29.3 2.0 1.128 1.465 1.495 3.9 3.0 3.0 0.9 0.7 0.6 1.5 1.1 0.8 7.5 7.6 10.3	34,751 40,614 42,231 43,941 29.2 16.9 4.0 4.0 1,301 1,682 1,716 1,773 10.4 29.3 2.0 3.3 1.128 1.465 1.495 1.545 3.9 3.0 3.0 2.9 0.9 0.7 0.6 0.5 1.5 1.1 0.8 0.8 7.5 7.6 10.3 10.7

Source: Company data, Huatai HK Research estimates

Modest profit growth in 2020-2022E

Following the better-than-expected financial results in 2019, we raise our profit estimates by 6/3% to RMB1,716/1,773mn for 2020-2021E, and we introduce the profit estimates for 2020E.

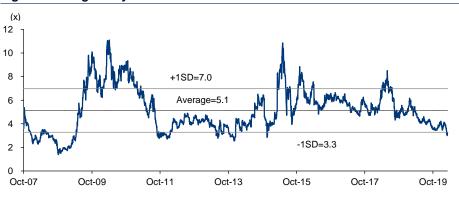
Overall, we estimate Tianneng will deliver modest profit growth in coming years (+2/3/3% yoy in 2020E/2021E/2022E).

Fig.1. Tianneng: changes in key assumptions and profit estimates

(RMBmn)	2020E-old	2020E-new	Change (%)	2021E-old	2021E-new	Change (%)	2022E
Revenue	41,085	42,231	3	44,349	43,941	(1)	45,726
yoy%	8	4		8	4		4
Gross profit	4,879	4,833	(1)	5,195	5,090	(2)	5,358
GPM (%)	11.9	11.4		11.7	11.6		11.7
Selling expenses	1068	929	(13)	1153	1011	(12)	1,143
As % of sales (%)	2.6	2.2		2.6	2.3		2.5
Administrative expenses	698	676	(3)	754	703	(7)	732
As % of sales (%)	1.7	1.6		1.7	1.6		1.6
Research expenditure	1315	1182	(10)	1419	1318	(7)	1,372
As % of sales (%)	3.2	2.8		3.2	3.0		3.0
Operating profit	2,180	2,397	10	2,297	2,430	6	2,505
OPM (%)	5.3	5.7		5.2	5.5		5.5
Financing cost (net)	200	236	18	205	241	17	247
Profit before tax	1,980	2,162	9	2,092	2,189	5	2,258
Net profit	1,623	1,716	6	1,715	1,773	3	1,829
yoy%	11	2		6	3		3
NPM (%)	4.0	4.1		3.9	4.0		4.0
EPS (RMB, diluted)	1.41	1.50	6	1.49	1.54	4	1.59
DPS (RMB)	0.43	0.46	6	0.46	0.47	3	0.49

Source: Company data, Huatai HK Research estimates

Fig.2. Tianneng: one-year forward PE bands



Source: Company data, Huatai HK Research

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Full financials

Income statement					
YE 31 Dec (RMBmn)	FY18	FY19	FY20E	FY21E	FY22E
Revenue	34,751	40,614	42,231	43,941	45,726
Cost of goods sold	(30,665)	(35,926)	(37,397)	(38,851)	(40,368)
Gross profit	4,086	4,688	4,833	5,090	5,358
Selling and distrib cost	(890)	(897)	(929)	(1,011)	(1,143)
Admin expenses	(1,678)	(1,817)	(1,858)	(2,021)	(2,103)
Others oper inc/exp	(41)	(16)	(84)	(88)	(91)
Operating profit	1,476	1,958	1,962	1,970	2,020
Financial cost-net	(178)	(255)	(236)	(241)	(247)
Share of P&L of assoc	3	(0)	0	0	0
Others inc/exp	303	423	435	460	485
Profit before tax	1,605	2,126	2,162	2,189	2,258
Tax expense	(304)	(400)	(411)	(416)	(429)
Minority interest/other	(0)	(44)	(35)	0	0
Net profit	1,301	1,682	1,716	1,773	1,829
Depr and amortization	(470)	(481)	(526)	(575)	(681)
EBITDA	2,252	2,862	2,923	3,005	3,186
EPS (RMB basic)	1.155	1.493	1.523	1.574	1.623

Cash flow statement					
YE 31 Dec (RMBmn)	FY18	FY19	FY20E	FY21E	FY22E
EBITDA	2,252	2,862	2,923	3,005	3,186
Financing costs	(178)	(255)	(236)	(241)	(247)
Chg in working capital	306	(259)	(179)	(612)	34
Tax	(304)	(400)	(411)	(416)	(429)
Other	1	(209)	0	0	0
Operating cash flow	2,077	1,739	2,098	1,736	2,544
Capital expenditure	(685)	(1,118)	(1,118)	(1,118)	(1,000)
Other investing activ's	(1,431)	(100)	(180)	(180)	(180)
Investing cash flow	(2,116)	(1,218)	(1,298)	(1,298)	(1,180)
Increase in debt	471	(166)	264	94	100
Increase in equity	0	0	(0)	0	0
Dividends paid	(341)	(375)	(376)	(515)	(532)
Other financing activ's	(130)	433	62	103	111
Financing cash flow	(0)	(108)	(51)	(318)	(321)
Change in cash	(39)	413	750	120	1,043
Cash at start of year	3,872	3,834	4,154	4,997	5,117
Effect of forex rate chg	0	0	0	0	0
Year-end cash	3,834	4,247	4,904	5,117	6,160

Balance sheet					
YE 31 Dec (RMBmn)	FY18	FY19	FY20E	FY21E	FY22E
Inventories	3,130	3,740	3,893	3,513	3,650
Acc & bill receivable	1,250	1,514	1,736	3,612	3,758
Cash & cash equiv	3,834	4,154	4,997	5,117	6,160
Other current assets	3,157	3,357	3,359	3,359	3,359
Total current assets	11,371	12,765	13,985	15,600	16,927
Fixed assets	4,114	4,783	5,230	5,678	6,078
Intangible assets	0	0	0	0	0
Other long-term assets	1,156	1,581	1,330	1,605	1,704
Total long-term assets	5,270	6,365	6,560	7,283	7,781
Total assets	16,641	19,130	20,545	22,883	24,709
Accounts payable	6,131	6,746	6,942	7,825	8,143
Short-terms loans	1,857	1,260	1,323	1,390	1,459
Other liabilities	2,310	3,066	2,428	2,462	2,498
Total current liabs	10,298	11,072	10,694	11,677	12,100
Long-term debt	69	253	278	306	336
Other long-term liabs	501	519	850	850	850
Total long-term liabs	570	771	1,128	1,156	1,186
Equity	110	110	110	110	110
Reserves/other items	5,430	6,555	7,929	9,188	10,485
Shareholder equity	5,540	6,665	8,039	9,297	10,594
Minority interest	233	622	684	753	828
Total equity	5,773	7,287	8,723	10,050	11,422
BVPS (RMB basic)	4.92	5.92	7.14	8.25	9.40

Performance							
FY18	FY19	FY20E	FY21E	FY22E			
29.2	16.9	4.0	4.0	4.1			
16.5	14.7	3.1	5.3	5.3			
6.0	32.6	0.2	0.4	2.5			
10.4	29.3	2.0	3.3	3.2			
10.4	29.3	2.0	3.3	3.2			
11.8	11.5	11.4	11.6	11.7			
6.5	7.0	6.9	6.8	7.0			
3.7	4.1	4.1	4.0	4.0			
25.0	27.6	23.3	20.5	18.4			
8.5	9.4	8.7	8.2	7.7			
(33.1)	(36.2)	(38.9)	(34.0)	(38.2)			
1.1	1.2	1.3	1.3	1.4			
0.8	0.8	0.9	1.0	1.1			
ys)							
2.1	2.1	2.1	1.9	1.9			
13	13	15	30	30			
72	68	67	73	73			
37	37	37	33	33			
	29.2 16.5 6.0 10.4 11.8 6.5 3.7 25.0 8.5 (33.1) 1.1 0.8 ys)	29.2 16.9 16.5 14.7 6.0 32.6 10.4 29.3 10.4 29.3 11.8 11.5 6.5 7.0 3.7 4.1 25.0 27.6 8.5 9.4 (33.1) (36.2) 1.1 1.2 0.8 0.8 ys) 2.1 2.1 13 13 72 68	29.2 16.9 4.0 16.5 14.7 3.1 6.0 32.6 0.2 10.4 29.3 2.0 10.4 29.3 2.0 11.8 11.5 11.4 6.5 7.0 6.9 3.7 4.1 4.1 25.0 27.6 23.3 8.5 9.4 8.7 (33.1) (36.2) (38.9) 1.1 1.2 1.3 0.8 0.8 0.9 ys) 2.1 2.1 2.1 13 13 15 72 68 67	29.2 16.9 4.0 4.0 16.5 14.7 3.1 5.3 6.0 32.6 0.2 0.4 10.4 29.3 2.0 3.3 10.4 29.3 2.0 3.3 11.8 11.5 11.4 11.6 6.5 7.0 6.9 6.8 3.7 4.1 4.1 4.0 25.0 27.6 23.3 20.5 8.5 9.4 8.7 8.2 (33.1) (36.2) (38.9) (34.0) 1.1 1.2 1.3 1.3 0.8 0.8 0.9 1.0 ys) 2.1 2.1 2.1 2.1 1.9 13 13 15 30 72 68 67 73			

(17)

(22)

(15)

(10)

(10)

PE	3.9	3.0	3.0	2.9	2.8
PB	0.9	0.7	0.6	0.5	0.5
EV EBITDA	1.5	1.1	0.8	8.0	0.5
Dividend yield (%)	7.5	7.6	10.3	10.7	11.0
FCF yield (%)	28.0	12.5	19.7	12.4	31.0

FY19

FY20E

FY21E

FY22E

Source: Company data, Huatai HK Research estimates

FY18

Valuation YE 31 Dec (x)

FCF yield (%)

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Cash conversion cycle

Valuation methodology and risks statement

Our target price of HKD12.00 is an average of DCF and PE valuations.

Our DCF model values Tianneng at HKD15.60 per share. We apply a WACC of 9.5% in our DCF model, based on cost of equity of 13.2%, risk free rate of 3.0%, market risk premium of 8.0% and beta of 1.27. The after-tax cost of debt is assumed to be 3.7%, subject to a tax rate of 19% and target debt-to-equity ratio of 40.4%. We assume a terminal growth rate of 0%, to factor in the potential risks of zero growth in lead-acid battery demand. Previously our DCF model valued Tianneng at HKD17.00 per share based a WACC of 8.8%.

Tianneng has been trading at an average of around 5.1x forward PE since its IPO in 2017, substantially lower than other stocks in the manufacturing sector. The low valuation could be attributable to: 1) lead-acid batteries have lower energy density compared lithium-ion batteries, thus some people believe that lead-acid batteries will be replaced going forward, though such people disregard the low costs, high safety and high recyclability associated with lead-acid batteries; and 2) the lead-acid battery market was very fragmented before 2014, and irrational price competition led to substantial decline prices and profit margins, as well as volatility in earnings. However, the profit margins of industry leaders have recovered and stabilized since 2016.

The stock is valued at HKD8.40 using PE valuation, based on a prudent valuation multiple of 5x on 2020E PE (previous valuation of HKD7.60 based on 5x 2019E PE). Considering the intrinsic value and historical trading pattern of the stock, we derive our target price of HKD12.00, based on the average of our DCF (HKD15.60) and PE (HKD8.40) valuations.

FY24F

FY25F

FY26F

FY27F

FY28F

Fig.3.	Tianneng:	DCF va	luation
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FV19

FY20F

EV21E

(RMRmn)

RMB/HKD

Value/share (HKD)

(KIMBMN)	FY19	FY2UE	FYZTE	FYZZE	FY23E	FYZ4E	FY25E	FYZ6E	FY2/E	F128E
EBIT	2,381	2,397	2,430	2,505	2,085	2,131	2,178	2,227	2,277	2,328
- Tax	(400)	(411)	(462)	(476)	(396)	(405)	(414)	(423)	(433)	(442)
+ D&A	481	526	575	681	729	774	814	857	895	935
- CAPEX	(1,118)	(1,118)	(1,118)	(1,000)	(1,060)	(1,124)	(1,191)	(1,262)	(1,338)	(1,419)
- Change in working capital	(259)	(179)	(612)	34	(8)	22	22	23	24	25
Free cash flow	1,085	1,216	813	1,744	1,349	1,398	1,410	1,422	1,425	1,427
Year		1	2	3	4	5	6	7	8	9
PV		1,111	679	1,329	939	889	819	754	690	631
Sum of PV of FCF	7,841									
Terminal growth (%)	0			Assumptions	(%)					
PV of terminal value	6,660			Tax rate		19.0				
Total NPV	14,501			Cost of debt		5.0				
+ Cash	5,446			Cost of debt	(after tax)	3.7				
- Debt	(3,661)			Risk free rate		3.0				
- Minority interest	(622)			Market risk pr	emium	8.0				
Equity value	15,663			Beta		1.3				
				Equity risk pre	emium	10.2				
Number of shares	1,127			Cost of equit	у	13.2				
Value/share (RMB)	13.90			Target debt ra	ntio	40.4				

FY22F

FY23F

Source: Company data, Huatai HK Research estimates

1.12

15.60

Downside risks: 1) a significant decline in demand for electric bikes; 2) substantial increase in lead prices; and 3) weaker-than-expected profit margins.

9.5

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WACC



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