CMB International Securities | Equity Research | Company Update



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Xinyi Solar (968 HK)

FY19 earnings in line; new capacity delay by 1Q

XYS delivered FY19 earnings of HK\$2,416mn, in line with ours and consensus estimates. Market is clearly more concerned about impacts to solar glass sales from coronavirus outbreak in the overseas areas. Mgmt. revealed that PV glass pricing faced no pressures yet, as industry has average inventory at only 20 days, still in a normal range. To factor in potential demand shock due to COVID-19, we trim FY20E solar glass ASP/sales volume by 5.4%/3.6%. Though we cut FY20E earnings by 12.4% to HK\$2,992mn, we think XYS' earnings growth outlook remains intact. **Our DCF TP is cut 4.6% to HK\$6.31. Maintain BUY.**

- FY19 earnings surged 29.1% YoY. Strong earnings was boosted by 1) PV glass volume increased by 27.1% YoY, and 2) we estimate PV glass ASP increased 4.9% to RMB26.7/sqm. Other than good sales figures, XYS also had expenses in good control as admin costs and selling and distribution costs both read significant YoY decline (see Figure 1). Net profit was HK\$2.416mn with an EPS of HK\$30.3 cents. XYS declared final dividend of HK\$8.5 cents (FY19 totaled HK\$14 cents), representing 46.2% payout ratio and 3.0% yield.
- Delay new capacity launching schedule. Given construction delay and potential demand uncertainties, mgmt. decided to delay launching new capacity by one quarter, and expected the first production line to commence in June. As such, effective melting capacity growth is trimmed from 37.3% to 26.1%. However, as XYS has thinner 2.0mm bifacial PV glass shipment, we believe sales growth measure in area will mitigate melting capacity loss. We estimate overall sales area will decline by only 3.6% vs. our previous estimates.
- Reduce ASP outlook for potential demand impacts. As COVID-19 turned severe in Europe and US, we expect XYS may suffer demand disruption due to overseas virus control measures. We cut FY20E ASP assumption by 5.4% from RMB28.0/sq m to RMB26.5/sq m to factor in potential weak demand. We are not too concerned about XYS' profitability, since the Company may be compensated by better-than-expected cost structure from lower gas and soda ash prices.
- Long-term profitability remains intact. In view of demand uncertainties leading to weaker ASP outlook, we cut our FY20E earnings by 12.4% to HK\$2,992mn. Our revised earnings reflects 22.3% YoY growth. Based on XYS' solid fundamentals, we believe the Company's long-term profitability remains intact. Our DCF TP is trimmed from HK\$6.62 to HK\$6.31. Maintain BUY.
- **Key risks:** PV glass price risks; long term lasting of COVID-19 control.

Earnings Summary

-arringe carrinary					
(YE 31 Dec)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue (HK\$ mn)	7,672	9,096	10,864	15,407	18,738
Net income (HK\$ mn)	1,863	2,416	2,992	4,487	5,383
EPS (HK\$)	0.25	0.30	0.37	0.56	0.67
YoY growth (%)	(24)	21.8	22.3	49.9	20.0
Consensus EPS (HK\$)	N/A	N/A	0.40	0.49	0.49
P/E (x)	19.0	15.6	12.7	8.5	7.1
P/B (x)	3.5	2.7	2.4	2.1	1.8
Yield (%)	2.6	3.0	3.8	5.6	6.8
ROE (%)	18.3	17.3	19.0	24.3	25.1
Net gearing (%)	76.5	31.5	26.4	17.1	8.1

Source: Company data, Bloomberg, CMBIS estimate

BUY (Maintain)

Target Price HK\$6.31
(Previous TP HK\$6.62)
Up/Downside +33.7%
Current Price HK\$4.72

China Solar Sector

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tO	CK L	Jata	
/lkt	Can	(HK\$	mn

Mkt Cap (HK\$ mn)	38,147
Avg 3 mths t/o (HK\$ mn)	150.3
52w High/Low (HK\$)	7.04/3.57
Total Issued Shares (mn)	8,082
Source: Bloomberg	

Shareholding Structure

Xinyi Group Glass Co Ltd	24.4%
Yin Yee Lee	32.1%
Free float	43.5%
Source: HKEx	

Share Performance

	Absolute	Relative
1-mth	-29.3%	-14.8%
3-mth	-11.4%	5.6%
6-mth	-6.3%	10.1%
12-mth	28.6%	61.8%

Source: Bloomberg

12-mth Price Performance



Source: Bloomberg

Auditor: PwC

Related Reports

- "China Solar Sector Brace for a potential demand shock" – 13 Mar 2020
- "Xinyi Solar (968 HK) Thrilling demand driving up solar glass price" – 8 Jan 2020
- "Xinyi Solar (968 HK) NDR takeaway: bullish demand outlook" 15 Aug 2019

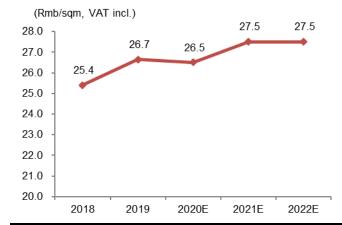


Figure 1: earnings summary

	_		yoy	А	ctual vs. ou	rs
(HKD mn)	2018	2019	2019 Change(%)		Diff (%)	CMBIS Commnets
Revenue	7,672	9,096	18.6%	9,492	-4.2%	
Solar glass segment	5,562	6,767	21.7%	7,079	-4.4%	Shipment volume lower than our est.
Solar power generation	1,920	2,228	16.0%	2,243	-0.7%	In line, as with more PV farm capacity
EPC services	189	101	-46.5%	170	-40.5%	
Cost of sales	(4,711)	(5,185)	10.0%	(5,313)	-2.4%	Maintained good control in PV glass costs
Gross profit	2,960	3,912	32.1%	4,180	-6.4%	
Gross profit margin	38.6%	43.0%	4.4ppt	44.0%	-1.0ppt	GPM expanded due to solar glass
Other Income	176	131	-26.0%	155	-15.7%	
Other gain/(losses),net	(8)	(5)	n/a	(5)	8.7%	
Selling and distribution exps	(271)	(282)	3.8%	(326)	-13.6%	Mainly due to transporation costs decline
Admin exps	(413)	(427)	3.5%	(474)	-9.9%	Maintained good costs control
Exceptional	(2)	(14)	n/a	-	n/a	
Operating profit - EBIT	2,443	3,314	35.6%	3,530	-6.1%	In line and performed better
Bargain purchase	6	-	n/a	-	n/a	
Finance income	10	49	413.1%	25	95.7%	XYS increased cash level from share placement
Finance costs	(256)	(304)	18.6%	(276)	10.1%	We est. borrowing costs at 3.9% in FY19
Share profit	43	33	-22.9%	43	-22.9%	
Exceptional	-	-	n/a	-	n/a	
Profit before income tax	2,246	3,093	37.7%	3,323	-6.9%	
Income tax expenses	(205)	(294)	43.7%	(349)	-15.7%	
Profit after tax	2,042	2,799	37.1%	2,974	-5.9%	
Effective tax rate	9.1%	9.5%	-0.4ppt	10.5%	-1.0ppt	
Minority interest	179	382	114.0%	474	-19.4%	
Net Income	1,863	2,417	29.7%	2,500	-3.3%	Net income was in line with our est.
Net profit margin	24.3%	26.6%	-0.2ppt	26.3%	0.2ppt	
EPS (HK\$, cent)	24.9	30.3	21.8%	31.39	-3.5%	

Source: Company Data, CMBIS estimates

Figure 2: Solar glass ASP

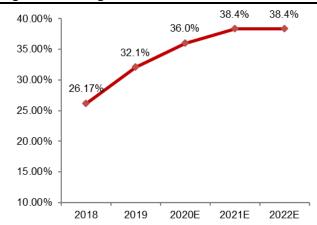


Source: CMBIS estimates

Note: 2018/19 ASP is estimated based on sales over shipment

projection

Figure 3: Solar glass GPM



Source: Company data, CMBIS estimates

Figure 4: Solar glass melting capacity

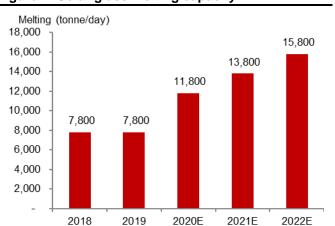
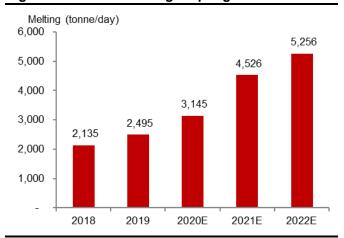


Figure 5: Effective melting output guidance



Source: Company data, CMBIS estimates

Source: Company data, CMBIS estimates

Figure 5: Our earnings sensitivity to ASP change – each RMB0.5/sqm change will lead to ~4% earnings variance in our FY20/21E earnings

Unit price	2020E	diff	2021E	diff
26.0	2,851	-4.7%	3,878	-5.0%
26.5	2,992	0.0%	4,081	-4.7%
27.0	3,133	4.7%	4,284	-4.5%
27.5	3,274	4.5%	4,487	0%
28.0	3,415	4.3%	4,690	4.5%
28.5	3,556	4.1%	4,893	4.3%
29.0	3,698	4.0%	5,096	4.1%
29.5	3,839	3.8%	5,299	4.0%
30.0	3,980	3.7%	5,502	3.8%

Source: CMBIS estimates

Figure 6: Earnings revision

	Old		Nev	v	Change		
	2020	2021	2020	2021	2020	2021	
PV processed glass ASP (RMB/sqm)	28.0	27.5	26.5	27.5	-5.4%	0.0%	
PV glass sales volume (mn sqm)	343	475	331	477	-3.6%	0.4%	
Revenue (HK\$, mn)	12,054	16,024	10,864	15,407	-9.9%	-3.9%	
Net income(HK\$, mn)	3,417	4,569	2,992	4,487	-12.4%	-1.8%	
EPS(HK\$)	0.42	0.57	0.37	0.56	-12.4%	-1.8%	
Consensus earnings (HK\$, mn)			3,160	3,895			
Our est. vs. consensus (%)			-5.3%	15.2%			

Source: CMBIS estimates



Figure 7: Our DCF valuation

DCF Valuation	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Turnover (HK\$ mn)	15,407	18,738	22,103	24,206	26,242	27,564	27,368	27,201	27,064	26,959
Solar glass	12,865	15,956	18,869	20,746	22,541	23,607	23,134	22,672	22,218	21,774
Solar Farm	2,371	2,560	2,990	3,191	3,405	3,633	3,876	4,136	4,413	4,708
EPC	171	222	244	269	296	325	358	394	433	476
Turnover growth	41.8%	21.6%	18.0%	9.5%	8.4%	5.0%	-0.7%	-0.6%	-0.5%	-0.4%
EBIT (HK\$ mn)	4,949	6,091	7,366	8,046	8,709	9,161	9,162	9,175	9,201	9,241
EBIT margin(%)	32.1%	32.5%	33.3%	33.2%	33.2%	33.2%	33.5%	33.7%	34.0%	34.3%
Tax rate (%)	14.8%	15.3%	15.5%	15.7%	15.8%	15.8%	15.8%	15.9%	15.9%	16.0%
Depreciation -Rmb mn	1,217	1,082	1,242	1,352	1,464	1,515	1,570	1,628	1,690	1,757
Change in working capital	(2,271)	(1,666)	(1,178)	(736)	(407)	(212)	31	27	22	17
CAPEX (HKD mn)	(3,376)	(2,088)	(2,188)	(2,296)	(2,446)	(2,611)	(2,792)	(2,991)	(3,210)	(3,451)
Free cash flow	(216)	2,487	4,098	5,101	5,948	6,410	6,522	6,382	6,237	6,086
Years	1	2	3	4	5	6	7	8	9	10
Discount factor	0.92	0.85	0.78	0.72	0.66	0.60	0.56	0.51	0.47	0.43
Discount free cash flow	(198)	2,103	3,187	3,648	3,911	3,876	3,627	3,264	2,933	2,632

Terminal value 92,044
Terminal EV/EBITDA 8.37
Discounted terminal value 72%
Terminal perpetual growth 2%

WACC Calculations	
Cost of debt	4.0%
Tax rate	15.0%
After tax cost of debt	3.4%
Cost of equity	12.3%
Adjusted beta	1.10
Market risk premium	9.6%
Risk free rate	1.8%
% of debt financing	40.0%
WACC	8.7%

Valuations (HK\$ mn)	
Discounted Terminal Value	39,806
Terminal perpetual growth(%)	2.0%
Terminal EV/EBITDA	8.37
Total discount FCF	20,153
Enterprise Value	59,959
Discount FCF(% of total)	33.6%
Terminal value (% of total)	66.4%
Add: Cash & cash equivalent	3,524
Less: Total debt	(7,677)
Non-controlling interest	(4,798)
Equity Value (HKD mn)	51,008
Fair value per share(HK\$)	6.31

Source: CMBIS estimates



Financial Summary

Income statement						Cash flow summary					
YE 31 Dec (HK\$ mn)	FY18A	FY19A	FY20E	FY21E	FY22E	YE 31 Dec (HK\$ mn)	FY18A	FY19A	FY20E	FY21E	FY22E
Revenue	7,672	9,096	10,864	15,407	18,738	EBIT	2,443	3,314	3,922	5,626	6,692
Solar glass sales	5,562	6,767	8,613	12,865	15,956	Depreciation and amortization	707	807	979	1,217	1,384
Solar power generation	1,920	2,228	2,120	2,371	2,560	Change in working capital	(255)	(1,818)	695	(27)	(124)
EPC services	189	101	131	171	222	Taxation	(237)	(245)	(383)	(570)	(677)
Cost of sales	(4,711)	(5,185)	(6,215)	(8,738)	(10,762)	Others	(348)	161	(477)	(496)	(552)
Gross profit	2,960	3,912	4,649	6,669	7,976	Net cash from operating	2,310	2,218	4,736	5,750	6,722
Other Income	176	131	139	139	139	Capex	(2,248)	(2,642)	(3,087)	(2,955)	(2,940)
Other gain/(losses),net	(8)	(5)	(5)	(5)	(5)	Joint ventures investments	17	(12)	(349)	(421)	(442)
Selling & marketing exps	(271)	(282)	(383)	(539)	(663)	Others	-	-	-	-	-
Admin and other exps	(413)	(427)	(478)	(638)	(755)	Net cash from investment	(2,230)	(2,655)	(3,436)	(3,376)	(3,383)
EBIT	2,443	3,314	3,922	5,626	6,692						
						Equity raised	(456)	2,087	-	-	-
Financial income	10	49	24	38	54	Change of Debts	837	(2,086)	994	880	584
Financial cost	(256)	(304)	(188)	(213)	(271)	Dividend paid	(1,095)	(761)	(1,397)	(1,795)	(2,369)
Exceptional	-	-	-	-	-	Others	(65)	2,771	401	421	442
Pre-tax profit	2,246	3,093	3,792	5,484	6,509	Net cash from financing	(778)	2,011	(2)	(493)	(1,342)
Income tax	(205)	(294)	(398)	(576)	(683)	Net change in cash	(698)	1,574	1,299	1,881	1,997
Minority interests	(179)	(382)	(401)	(421)	(442)	Cash at the beginning	1,381	784	2,221	3,520	5,400
Net profit	1,863	2,416	2,992	4,487	5,383	Exchange difference	102	(137)	-	-	-
						Cash at the end of the year	784	2,221	3,520	5,400	7,397

Balance sheet						Key ratios					
YE 31 Dec (HK\$ mn)	FY18A	FY19A	FY20E	FY21E	FY22E	YE 31 Dec	FY18A	FY19A	FY20E	FY21E	FY22E
Non-current assets	17,089	18,930	21,307	23,437	25,435	Sales mix (%)					
Fixed assets	15,804	16,711	19,722	21,447	22,992	Solar glass sales	72.5	74.4	79.3	83.5	85.2
Land use rights	320	1,249	346	358	370	Solar power generation	25.0	24.5	19.5	15.4	13.7
Inv. in JV and Associate	433	404	798	1,219	1,662	EPC services	2.5	1.1	1.2	1.1	1.2
Others	532	566	441	413	411	Total	100.0	100.0	100.0	100.0	100.0
Current assets	6,803	9,467	11,428	15,083	10 166	Profit & loss ratios (%)					
Cash	784	2.221	3,520	5.400	7.397	Gross margin	38.6	43.0	42.8	43.3	42.6
Account receivable	4,154	5.437	5,293	6,527	7,397	Pre-tax margin	29.3	34.0	34.9	35.6	34.7
Inventory	430	410	646	965	1,197	Net margin	24.3	26.6	27.5	29.1	28.7
Amount due from	430	6	040	905	1,137	Effective tax rate	9.1	9.5	10.5	10.5	10.5
Others	1,432	1,394	1,969	2,191	2,415	Lifective tax rate	3.1	9.5	10.5	10.5	10.5
Others	1,432	1,334	1,909	2,191	2,413	Balance sheet ratios					
Current liabilities	6,737	5,249	6,801	8,878	10,377	Current ratio (x)	1.0	1.8	1.7	1.7	1.8
Trade and other payable	2.780	2,220	3,498	5,214	6,471	Quick ratio (x)	0.9	1.7	1.6	1.6	1.7
Amount due	102	91	92	93	93	Cash ratio (x)	0.1	0.4	0.5	0.6	0.7
Current income tax liabilities	48	102	107	113	118	Debtors turnover days	197.9	192.4	180.2	140.0	136.2
Borrowings	3,773	2,804	3,071	3,423	3,657	Inventory turnover days	31.1	29.6	31.0	33.6	36.7
Others	34	32	33	35	37	Creditors turnover days	221.6	176.0	167.9	182.0	198.2
						Total debt / equity ratio (%)	72.7	36.0	37.3	36.1	33.7
Non-current liabilities	5,096	3,948	4,676	5,206	5,557	Net debt / equity ratio (%)	76.5	31.5	26.4	17.1	8.1
Borrowings	4,997	3,880	4,606	5,134	5,485						
Other payables	89	57	58	58	59	Returns (%)					
Deferred tax liabilities	11	12	12	13	13	ROE	17.9	17.0	19.0	24.3	25.1
						ROA	7.8	8.5	9.1	11.6	12.3
Total net assets	12,059	19,200	21,257	24,437	27,967						
						Per share					
Minority Interest	1,625	4,396	4,798	5,219	5,661	EPS (HK\$)	0.25	0.30	0.37	0.56	0.67
Shareholders' equity	10,434	14,177	15,773	18,464	21,479	DPS (HK\$)	0.12	0.14	0.18	0.27	0.32
						BVPS (HK\$)	1.36	1.75	1.95	2.28	2.66

Source: Company data, CMBIS estimates



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