COMPANY UPDATE

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EV/Mobility Team

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Hanwha Solutions (009830)

To commercialize space solar power by end-2029

- Currently, III-V compound multi-junction cells, which are optimized for geostationary orbit (GEO), are the mainstream technology for space solar cells. However, as space data centers increasingly migrate to a low earth orbit (LEO), silicon-based solar cells are poised to gain traction in space applications for their cost effectiveness.
- Hanwha Solutions is preparing to mass-produce perovskite-TOPCon tandem cells and aims to commercialize them by end-2029 to secure a slice of the space solar power market.
- SpaceX and Tesla's silicon-based solar cell production strategies represent: 1) a positive development for the expansion of the US solar market; but also 2) a threat to Hanwha Solutions as they are a new rival in the segment.

WHAT'S THE STORY?

Company overview: Hanwha Solutions is a diversified conglomerate engaged in chemicals, advanced materials, and renewable energy. The renewable energy division has a major influence on the company's stock performance. This segment comprises solar cell/module manufacturing, solar power generation, and residential solar energy solutions. Among these units, the solar cell/module manufacturing business has the largest impact on the company's stock price and earnings. The company's production capacity stands at 8.9 GW for cells and 11.2 GW for modules, with 3.3 GW of cell capacity and 8.4 GW of module capacity located in the US. While its manufactured cells and modules are silicon-based, the firm aims to expand its solar material portfolio to include perovskite.

(Continued on the next page)

SUMMARY FINANCIAL DATA

	2025	2026E	2027E	2028E
Revenue (KRWb)	13,333	12,925	13,221	13,661
Operating profit (KRWb)	-365	331	1,398	2,032
Net profit (adj) (KRWb)	-615	-183	740	1,336
EPS (adj) (KRW)	-3,728	-1,250	2,858	5,275
EPS (adj) growth (% y-y)	nm	nm	nm	84.6
EBITDA margin (%)	3.1	8.9	17.0	21.2
ROE (%)	-7.0	-2.1	6.1	10.3
P/E (adj) (x)	n/a	n/a	12.8	6.9
P/B (x)	0.5	0.8	0.7	0.7
EV/EBITDA (x)	46.4	17.1	8.6	6.4
Dividend yield (%)	0.0	0.0	0.0	0.0

Source: Company data, Samsung Securities estimates

AT A GLANCE

HOLD

Target price	KRW42,000	14.8%
Current price	KRW36,600	
Market cap	KRW6.3t/USD4.2b	
Shares (float)	171,892,536 (60.9%)	
52-week high/low	KRW58,500/KRW18,410	
Avg daily trading value (60-day)	KRW288.3b/ USD190.2m	

ONE-YEAR PERFORMANCE

	1M	6M	12M
Hanwha Solutions (%)	-30.9	28.2	90.8
Vs Kospi (%pts)	-18.3	-16.8	-7.5

KEY CHANGES

(KRW)	New	Old	Diff
Recommend.	HOLD	HOLD	
Target price	42,000	42,000	0.0%
2026E EPS	-1,250	-1,250	0.0%
2027E EPS	2,858	2,858	0.0%

SAMSUNG vs THE STREET

No of estimates	14
Target price	46,857
Recommendation	3.6

※ Rating: 4 < → BUY, 3 = HOLD, 2 > → SELL

Point (1) Targeting commercialization of space solar power by end-2029: Although III-V compound multi-junction cells remain the dominant technology in space solar cells, perovskite-silicon tandem cells are expected to be adopted in the space solar market, with space data centers likely to be located in a low earth orbit (LEO), where cost competitiveness is more critical than efficiency and high reliability. Hanwha Solutions is carrying out R&D on perovskite-TOPCon tandem cells and has already started building a pilot line to validate the technology. Through a recent rights offering, it plans to invest KRW0.9t in proceeds on: 1) the pilot line (KRW0.1t); and 2) a GW-scale production line (KRW0.8t). The pilot line should first validate key manufacturability metrics (*eg*, process, yield, quality), followed by long-term reliability testing and certification. The company's ultimate goal is to achieve commercial-scale GW-level production by end-2029

Point (2) Musk's team's entry into solar power represents a new competitor: Musk's ecosystem, comprising SpaceX and Tesla, plans to expand production of both space-based and terrestrial solar systems. For terrestrial applications, the team is preparing silicon-based solar cells, and for space applications, it is reportedly developing HJT silicon and perovskite tandem cells. While its expansion of silicon-based solar cell production in the US should boost growth of the US solar market, it also represents a threat to Hanwha Solutions as it will be a new rival in the segment.

Solar system requirements and technological directions by orbit

	Low Earth Orbit (LEO)	Medium Earth Orbit (MEO)	Geostationary Orbit (GEO)
Environmental Characteristics	Low altitude, short orbital period, repeated eclipse/thermal cycling	Positioned between LEO and GEO, increased radiation exposure	Long lifespan, high reliability required, presence of eclipse periods
Solar Panel Requirements	Lightweighting, durability against repeated thermal cycling, ESS battery integration required, cost optimization	Radiation-hardened design, cover glass optimization, ensuring EOL power output	High efficiency, radiation-hardened design, maintaining high EOL performance, high reliability
Appropriate Technological Direction	Silicon-based possible; GaAs/high-efficiency cells adopted based on mission	Increased likelihood of preference for GaAs	Centered on Group III-V Multi-junction structures

Source: NASA, ESA, Samsung Securities

Space solar cells: Comparison, by applicable materials

	Silicon	Group III-V compounds	Thin-film	Perovskite
Key materials	c-Si	GaAs, InGaP, InGaAs	CIGS, CdTe	Perovskite
Efficiency*	20-28%	28-48%	14-30%	23-36%
Manufacturing cost	Low	Very expensive	Medium	Potentially low
EOL performance	Low	Very high	Medium	Uncertain
Radiation resistance	Medium	Very high	Medium	High
Specific power	Low	Medium	High	Very high
Technical maturity	Very high	Very high	Medium	Low
Primary application	Terrestrial, LEO	MEO, GEO	LEO (Mainly CIGS)	LEO

Note: * Based on maximum values assuming multi-junction structures.
Source: NREL, Samsung Securities

Space solar cells: Comparison by applicable architectures

	Single Junction	Multi-Junction	HJT	Tandem
Definition	Single bandgap structure	Multi-bandgap stacked structure (3J–4J)	Combined crystalline (c-Si) & amorphous (a-Si) silicon	Stacking solar cells of different wavelength bands
Typical material combinations	Silicon, GaAs, CIGS	InGaP/GaAs/Ge (3J), InGaP/GaAs/InGaAsP/Ge (4J)	c-Si / a-Si	Perovskite/HJT, Perovskite/CIGS
Efficiency*	21-31%	33-48%	24-28%	23-36%
Specific power	Varies by material (CIGS is high)	Medium	Low	Medium to high
Technical maturity	High	High	Relatively high	Low to medium
LEO suitability	Unsuitable	Suitable, but burden of cost/mass	Unsuitable as standalone	Suitable
Role in space solar power	Supplementary structure	Current dominant structure	Suitable for Tandem bottom cells	Next-generation structure

Note: * Based on NREL standards.
Source: NREL, Samsung Securities

Hanwha Solutions:

Capex breakdown from rights offering proceeds (2026-2028)

Category	Details	Amount (KRWt)
Operate pilot line	- Upgrade pilot facilities to meet mass-production standards - Reliability testing for tandem technology - Pre-verification of process stabilization and mass-producibility	0.1
Construct mass-production line	- Establish mass-production processes for tandem cells (Top cell: Perovskite; Bottom cell: TOPCon)	0.8
Total		**0.9**

Source: Company data, Samsung Securities

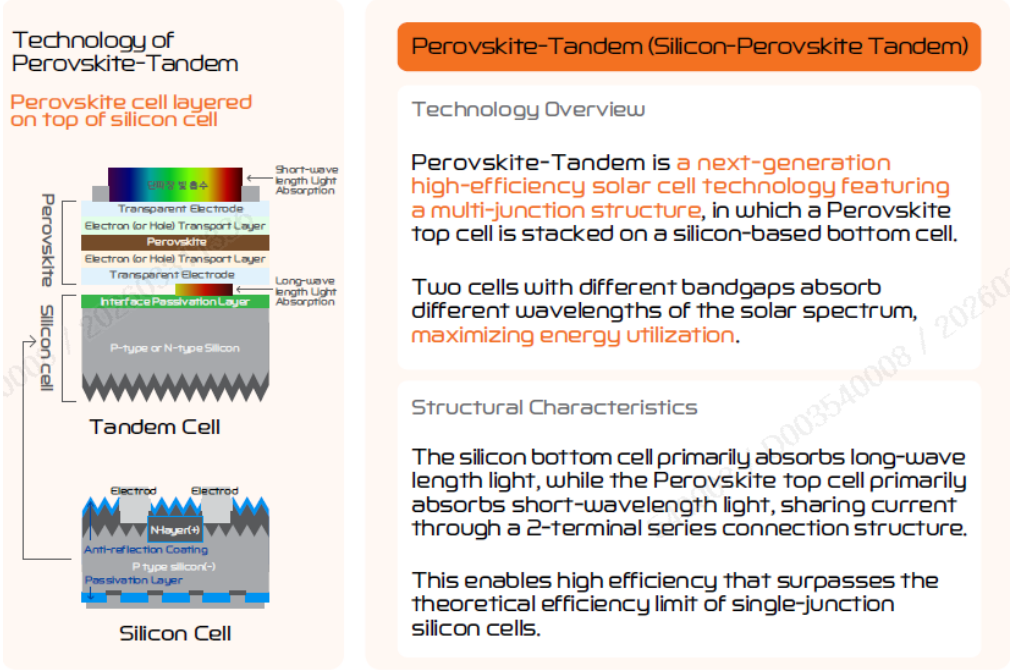
Hanwha Solutions:

Tandem developments and commercialization timeline

Year	Milestone
2019	Commence tandem cell research
2024	Initiate tandem pilot line
2029	Commence GW-scale mass-production and commercial launch

Source: Company data, Samsung Securities

Perovskite-Silicon tandem cells: Technical description



Source: Company data, Samsung Securities

Hanwha Q Cells: Results and forecasts

(KRWb)	1Q25	2Q25	3Q25	4Q25	1Q26E	2Q26E	3Q26E	4Q26E	2024	2025	2026E	2027E
KRW/USD (average)	1,453	1,401	1,387	1,449	1,459	1,420	1,380	1,335	1,365	1,422	1,398	1,335
Sales	**1,599**	**1,446**	**1,752**	**2,062**	**1,661**	**1,747**	**1,770**	**1,822**	**5,780**	**6,859**	**7,000**	**7,400**
Growth (% q-q)	-44.3	-9.6	21.1	17.7	-19.5	5.2	1.3	2.9				
Growth (% y-y)	105.4	47.6	52.0	-28.1	3.8	20.8	1.1	-11.6	-12.6	18.7	2.0	5.7
Module Manufacturing / Others	587	573.9	432	300	533.5	576	588	613	2,542	1,893	2,311	2,585
Growth (% q-q)	-41.7	-2.2	-24.7	-30.6	77.8	8.0	2.0	4.3				
Growth (% y-y)	36.3	1.1	-19.8	-70.2	-9.0	0.4	36.0	104.5	-44.3	-25.5	22.1	11.8
Power generation business / EPC	419	394.2	819	1,422	648.9	668	655	655	2,960	3,054	2,627	2,594
Growth (% q-q)	-74.4	-5.9	107.7	73.7	-54.4	3.0	-2.0	0.0				
Growth (% y-y)	22.3	-2.7	41.5	-13.0	54.9	69.6	-20.0	-53.9	44.4	3.2	-14.0	-1.3
Residential energy business	594	478.3	501	340	478.2	502	527	554	278	1,913	2,061	2,221
Growth (% q-q)	158.1	-19.4	4.7	-32.0	40.5	5.0	5.0	5.0				
Growth (% y-y)	10,583.6	6,363.5	1,318.1	48.0	-19.4	5.0	5.3	62.6		587.5	7.8	7.8
Operating profit	**136**	**156**	**8**	**-386**	**19**	**114**	**153**	**275**	**-259**	**-85**	**561**	**1,404**
Growth (% q-q)	124.8	14.7	-94.9	Turned neg	To turn pos	495.3	34.8	79.6				
Growth (% y-y)	Turned pos	Turned pos	Turned pos	Turned neg	-86.0	-27.2	1,839.3	To turn pos	Turned neg	Remained neg	To turn pos	150.2
Module Manufacturing / Others	-135	-20	-159	-298	-177	-134	-107	-20	-959	-611	-439	208
Growth (% q-q)	Remained neg	Remained neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To remain neg				
Growth (% y-y)	Remained neg	Remained neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To remain neg	Turned neg	Remained neg	To remain neg	To turn pos
Power generation business / EPC	-42	-61	19	-168	6	13	3	10	89	-253	33	69
Growth (% q-q)	Turned neg	Remained neg	Turned pos	Turned neg	To turn pos	106.0	-75.5	200.0				
Growth (% y-y)	Remained neg	Remained neg	-39.3	Turned neg	To turn pos	To turn pos	-82.5	To turn pos	-5.2	Turned neg	To turn pos	110.5
Residential energy business	129	55	80	-21	-15	24	36	37	56	243	82	88
Growth (% q-q)	78.9	-57.3	44.2	Turned neg	To remain neg	To turn pos	49.0	5.0				
Growth (% y-y)	Turned pos	Turned pos	Turned pos	Turned neg	To turn neg	-56.6	-55.1	To turn pos		337.5	-66.3	7.8
IRA AMPC	184	182	68	102	206	210	222	248	555	536	886	1,038
Growth (% q-q)	-3.3	-1.0	-62.5	49.4	101.7	2.4	5.3	11.9				
Growth (% y-y)	90.4	24.0	-43.9	-46.4	11.8	15.6	225.0	143.3	164.8	-3.4	65.2	17.2
Margins (%)												
Operating profit	8.5	10.8	0.5	-18.7	1.1	6.5	8.7	15.1	-4.5	-1.2	8.0	19.0
Module Manufacturing / Others	-23.0	-3.4	-36.7	-99.3	-33.3	-23.3	-18.3	-3.3	-37.7	-32.3	-19.0	8.1
Power generation business / EPC	-10.0	-15.6	2.3	-11.8	1.0	2.0	0.5	1.5	3.0	-8.3	1.3	2.7
Residential energy business	21.8	11.5	15.9	-6.2	-3.2	4.8	6.8	6.8	19.9	12.7	4.0	4.0

Source: Company data, Samsung Securities estimates

Hanwha Solutions: Results and forecasts

(KRWb)	1Q25	2Q25	3Q25	4Q25	1Q26E	2Q26E	3Q26E	4Q26E	2024	2025	2026E	2027E
KRW/USD (average)	1,453	1,401	1,387	1,449	1,459	1,420	1,380	1,335	1,365	1,422	1,398	1,335
Sales	**3,094**	**3,117**	**3,364**	**3,757**	**3,177**	**3,193**	**3,250**	**3,306**	**12,394**	**13,333**	**12,925**	**13,221**
Growth (% q-q)	-33.4	0.7	7.9	11.7	-15.4	0.5	1.8	1.7				
Growth (% y-y)	31.5	17.6	22.5	-19.1	2.7	2.4	-3.4	-12.0	-5.2	7.6	-3.1	2.3
Basic materials	1,074	1,239	1,160	1,151	1,061	1,028	1,004	976	4,817	4,624	4,070	3,915
Process materials	274	308	258	271	315	284	287	279	1,038	1,111	1,165	1,200
Solar	1,599	1,446	1,752	2,062	1,661	1,747	1,770	1,822	5,780	6,859	7,000	7,400
Other	148	124	195	294	161	155	209	250	773	760	775	791
Operating profit	**30**	**102**	**-7**	**-490**	**-12**	**31**	**97**	**214**	**-300**	**-365**	**331**	**1,398**
Growth (% q-q)	-71.7	236.7	Turned neg	Remained neg	To remain neg	To turn pos	210.7	119.8				
Growth (% y-y)	Turned pos	Turned pos	Remained neg	Turned neg	To turn neg	-69.3	To turn pos	To turn pos	Turned neg	Remained neg	To turn pos	322.8
Basic materials	-91	-47	-9	-102	-20	-74	-45	-50	-122	-249	-189	29
Growth (% q-q)	Remained neg	Remained neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To remain neg				
Growth (% y-y)	Remained neg	Remained neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To remain neg	Turned neg	Remained neg	To remain neg	To turn pos
Process materials	-2	10	4	-5	6	9	6	6	24	6	26	30
Growth (% q-q)	Remained neg	Turned pos	-63.3	Turned neg	To turn pos	35.1	-32.5	-2.7				
Growth (% y-y)	Turned neg	8.9	-41.0	Remained neg	To turn pos	-12.8	60.2	To turn pos	-63.5	-73.6	323.6	13.5
Solar	136	156	8	-386	19	114	153	275	-259	-85	561	1,404
Growth (% q-q)	124.8	14.7	-94.9	Turned neg	To turn pos	495.3	34.8	79.6				
Growth (% y-y)	Turned pos	Turned pos	Turned pos	Turned neg	-86.0	-27.2	1,839.3	To turn pos	Turned neg	Remained neg	To turn pos	150.2
Other	-13	-17	-10	15	-5	-5	-5	-5	55	-25	-22	-18
Growth (% q-q)	Turned neg	Remained neg	Remained neg	Turned pos	To turn neg	To remain neg	To remain neg	To remain neg				
Growth (% y-y)	Remained neg	Remained neg	Remained neg	-85.7	To remain neg	To remain neg	To remain neg	To turn neg	Turned pos	Turned neg	To remain neg	To remain neg
Consolidation adjustments	0	-0	-0	-11	-11	-11	-11	-11	2	-11	-46	-46
Growth (% q-q)	Turned pos	Turned neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To remain neg				
Growth (% y-y)	-99.3	Turned neg	Remained neg	Remained neg	To turn neg	To remain neg	To remain neg	To remain neg	Turned pos	Turned neg	To remain neg	To remain neg
Equity-method income	135	3	99	-202	-57	-54	-54	-30	-327	34	-196	-107
Growth (% q-q)	Turned pos	-97.7	3,045.3	Turned neg	To turn neg	To remain neg	To remain neg	To remain neg				
Growth (% y-y)	Turned pos	Turned pos	Turned pos	Remained neg	To turn neg	To turn neg	To turn neg	To remain neg	Turned neg	Turned pos	To turn neg	To remain neg
Pre-tax profit	-68	-148	-40	-582	-174	-116	-49	92	-1,424	-838	-247	902
Growth (% q-q)	Remained neg	Remained neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To turn pos				
Growth (% y-y)	Remained neg	Remained neg	Remained neg	Remained neg	To remain neg	To remain neg	To remain neg	To turn pos	Turned neg	Remained neg	To remain neg	To turn pos
Net profit	**-30**	**-178**	**5**	**-411**	**-123**	**-95**	**-41**	**76**	**-1,369**	**-615**	**-183**	**740**
Growth (% q-q)	Remained neg	Remained neg	Turned pos	Turned neg	To remain neg	To remain neg	To remain neg	To turn pos				
Growth (% y-y)	Remained neg	Remained neg	Turned pos	Remained neg	To remain neg	To remain neg	To turn neg	To turn pos	Remained neg	Remained neg	To remain neg	To turn pos
Attributable to parent company	-44	-202	-12	-392	-132	-104	-49	67	-1,404	-650	-218	704
Margins (%)												
Operating profit	1.0	3.3	-0.2	-13.0	-0.4	1.0	3.0	6.5	-2.4	-2.7	2.6	10.6
Basic materials	-8.5	-3.8	-0.8	-8.9	-1.9	-7.2	-4.5	-5.1	-2.5	-5.4	-4.6	0.7
Process materials	-0.7	3.2	1.4	-2.0	2.0	3.0	2.0	2.0	2.3	0.6	2.3	2.5
Solar	8.5	10.8	0.5	-18.7	1.1	6.5	8.7	15.1	-4.5	-1.2	8.0	19.0
Other	-8.7	-13.8	-5.1	5.0	-3.4	-3.5	-2.6	-2.2	7.1	-3.3	-2.8	-2.3
Pre-tax profit	-2.2	-4.8	-1.2	-15.5	-5.5	-3.6	-1.5	2.8	-11.5	-6.3	-1.9	6.8
Net profit	-1.0	-5.7	0.1	-10.9	-3.9	-3.0	-1.2	2.3	-11.0	-4.6	-1.4	5.6

Source: Company data, Samsung Securities estimates

Income statement

Year-end Dec 31 (KRWb)	2024	2025	2026E	2027E	2028E
Sales	**12,394**	**13,333**	**12,925**	**13,221**	**13,661**
Cost of goods sold	11,008	11,845	10,790	9,981	9,725
Gross profit	**1,386**	**1,488**	**2,135**	**3,240**	**3,937**
Gross margin (%)	11.2	11.2	16.5	24.5	28.8
SG&A expenses	1,686	1,853	1,805	1,841	1,905
Operating profit	**-300**	**-365**	**331**	**1,398**	**2,032**
Operating margin (%)	-2.4	-2.7	2.6	10.6	14.9
Non-operating gains (losses)	**-1,383**	**-475**	**-577**	**-497**	**-404**
Financial profit	108	98	215	259	280
Financial costs	548	539	603	640	665
Equity-method gains (losses)	-327	34	-196	-107	-11
Other	-616	-69	7	-8	-8
Pre-tax profit	**-1,683**	**-840**	**-247**	**902**	**1,628**
Taxes	-316	-225	-64	162	292
Effective tax rate (%)	18.7	26.8	26.0	17.9	17.9
Profit from continuing operations	-1,109	-613	-183	740	1,336
Profit from discontinued operations	-260	-2	0	0	0
Net profit	**-1,369**	**-615**	**-183**	**740**	**1,336**
Net margin (%)	-11.0	-4.6	-1.4	5.6	9.8
Net profit (controlling interests)	-1,404	-650	-218	704	1,300
Net profit (non-controlling interests)	35	35	35	35	35
EBITDA	415	419	1,147	2,241	2,898
EBITDA margin (%)	3.4	3.1	8.9	17.0	21.2
EPS (parent-based) (KRW)	-8,050	-3,728	-1,250	2,858	5,275
EPS (consolidated) (KRW)	-7,847	-3,527	-1,047	3,002	5,419
Adjusted EPS (KRW)*	-8,050	-3,728	-1,250	2,858	5,275

Balance sheet

Year-end Dec 31 (KRWb)	2024	2025	2026E	2027E	2028E
Current assets	**10,883**	**12,637**	**14,955**	**16,344**	**17,914**
Cash & equivalents	2,184	2,470	5,100	6,263	7,497
Accounts receivable	2,305	1,543	1,496	1,530	1,581
Inventories	4,258	5,680	5,506	5,632	5,820
Other current assets	2,136	2,943	2,853	2,918	3,015
Fixed assets	**19,154**	**20,507**	**21,230**	**21,611**	**22,029**
Investment assets	5,434	5,876	6,020	6,144	6,328
Tangible assets	10,727	11,182	11,823	12,132	12,412
Intangible assets	1,756	1,846	1,789	1,737	1,691
Other long-term assets	1,238	1,603	1,598	1,598	1,598
Total assets	**30,037**	**33,144**	**36,185**	**37,955**	**39,943**
Current liabilities	**11,708**	**12,736**	**12,894**	**13,132**	**13,442**
Accounts payable	2,610	2,709	2,626	2,686	2,776
Short-term debt	5,110	6,320	6,320	6,320	6,320
Other current liabilities	3,987	3,707	3,948	4,126	4,347
Long-term liabilities	**7,722**	**9,223**	**9,937**	**10,728**	**11,070**
Bonds & long-term debt	6,423	7,852	8,593	9,365	9,677
Other long-term liabilities	1,300	1,371	1,344	1,364	1,393
Total liabilities	**19,430**	**21,959**	**22,831**	**23,860**	**24,513**
Owners of parent equity	**9,450**	**9,101**	**11,235**	**11,940**	**13,240**
Capital stock	889	889	1,249	1,249	1,249
Capital surplus	1,562	1,771	3,809	3,809	3,809
Retained earnings	4,132	3,443	3,225	3,929	5,230
Other	2,866	2,998	2,953	2,953	2,953
Non-controlling interests' equity	**1,157**	**2,084**	**2,119**	**2,155**	**2,190**
Total equity	**10,607**	**11,185**	**13,355**	**14,094**	**15,430**
Net debt	10,701	12,706	11,156	10,872	10,066

Cash flow statement

Year-end Dec 31 (KRWb)	2024	2025	2026E	2027E	2028E
Cash flow from operations	**638**	**-655**	**1,351**	**2,023**	**2,496**
Net profit	-1,369	-615	-183	740	1,336
Non-cash profit and expenses	1,942	1,432	1,374	1,523	1,563
Depreciation	649	720	759	791	820
Amortization	66	64	58	52	46
Other	1,227	648	558	680	697
Changes in A/L from operating activities	94	-1,395	104	-75	-112
Cash flow from investments	**-3,287**	**-1,749**	**-1,218**	**-909**	**-878**
Change in tangible assets	-3,344	-1,972	-1,400	-1,100	-1,100
Change in financial assets	-107	-22	20	-15	-22
Other	163	245	162	206	244
Cash flow from financing	**2,676**	**2,714**	**2,884**	**274**	**-196**
Change in debt	3,485	2,353	1,066	889	442
Change in equity	66	209	2,398	0	0
Dividends	-138	-166	0	0	0
Other	-737	318	-580	-615	-639
Change in cash	226	286	2,630	1,163	1,234
Cash at beginning of year	1,958	2,184	2,470	5,100	6,263
Cash at end of year	2,184	2,470	5,100	6,263	7,497
Gross cash flow	**573**	**817**	**1,192**	**2,263**	**2,899**
Free cash flow	**-2,759**	**-2,665**	**-49**	**923**	**1,396**

Financial ratios

Year-end Dec 31	2024	2025	2026E	2027E	2028E
Growth (%)					
Sales	-5.2	7.6	-3.1	2.3	3.3
Operating profit	nm	nm	nm	322.8	45.3
Net profit	nm	nm	nm	nm	80.5
Adjusted EPS**	nm	nm	nm	nm	84.6
Per-share data (KRW)					
EPS (parent-based)	-8,050	-3,728	-1,250	2,858	5,275
EPS (consolidated)	-7,847	-3,527	-1,047	3,002	5,419
Adjusted EPS**	-8,050	-3,728	-1,250	2,858	5,275
BVPS	54,974	52,947	46,046	48,934	54,262
DPS (common)	300	0	0	0	0
Valuations (x)					
P/E***	n/a	n/a	n/a	12.8	6.9
P/B***	0.3	0.5	0.8	0.7	0.7
EV/EBITDA	35.3	46.4	17.1	8.6	6.4
Ratios (%)					
ROE	-16.0	-7.0	-2.1	6.1	10.3
ROA	-5.0	-1.9	-0.5	2.0	3.4
ROIC	-1.6	-1.5	1.3	6.0	8.6
Payout ratio	-3.6	0.0	0.0	0.0	0.0
Dividend yield (common)	1.9	0.0	0.0	0.0	0.0
Net debt to equity	100.9	113.6	83.5	77.1	65.2
Interest coverage (x)	-0.5	-0.7	0.5	2.2	3.1

Note: *Excluding one-off items
**Fully diluted, excluding one-off items
***From companies subject to equity-method valuation

Source: Company data, Samsung Securities estimates

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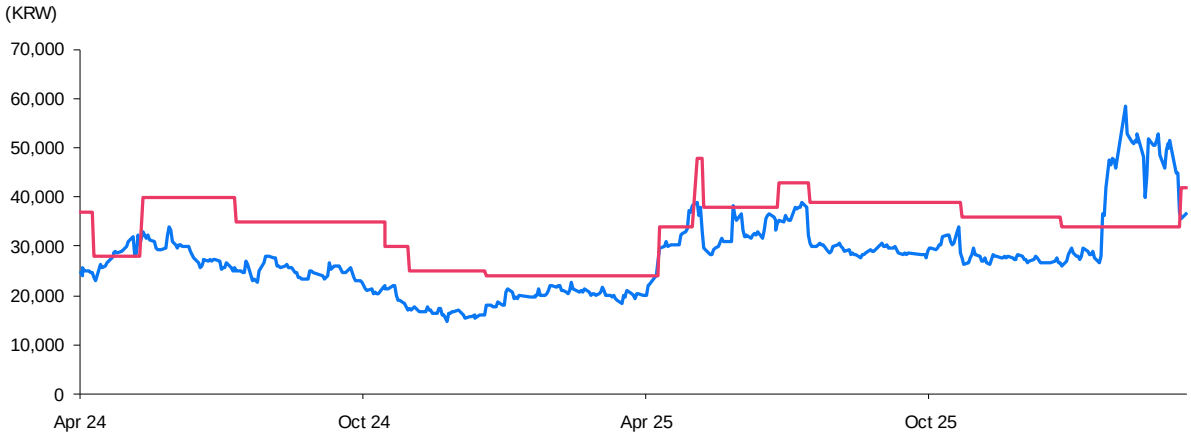
Target price changes in past two years



Rating changes over past two years (adjusted share prices)

Date	2024/2/22	4/25	5/27	7/26	10/30	11/14	2025/1/3	4/25	5/19	5/23	7/11	7/31
Recommendation	HOLD	HOLD	BUY	BUY	BUY	BUY	BUY	BUY	BUY	BUY	BUY	BUY
Target price (KRW)	37000	28000	40000	35000	30000	25000	24000	34000	48000	38000	43000	39000
Gap* (average)	-27.49	1.65	-28.46	-30.39	-33.88	-33.96	-14.79	-3.03	-25.24	-13.71	-14.92	-24.04
(max or min)**	-21.49	15.18	-15.25	-19.71	-26.17	-29.32	12.92	12.94	-20.94	0.66	-9.30	-13.33

Date	11/6	2026/1/9	3/27
Recommendation	BUY	BUY	HOLD
Target price (KRW)	36000	34000	42000
Gap* (average)	-23.85	21.18	
(max or min)**	-17.92	72.06	

Note: * [(average, maximum, or minimum share price over duration of target price minus target price) / target price] x 100%
** Maximum/minimum share price if new target is higher/lower than market close on the business day prior to target price change

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Industry

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BUY (85.8%)·HOLD (14.2%)·SELL (0%)

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