

EnerSys(ENS)

\$73.64 (As of 08/28/20)

Price Target (6-12 Months): **\$83.00**

Long Term: 6-12 Months

Zacks Recommendation: Outperform

(Since: 08/27/20)

Prior Recommendation: Neutral

Short Term: 1-3 Months

Zacks Rank: (1-5)

2-Buy

Zacks Style Scores:

VGM:B

Value: B

Growth: B

Momentum: D

Summary

In the past six months, EnerSys' shares have outperformed the industry. In the quarters ahead, the company stands to gain from strong demand for its TPPL products along with strength in transportation and defense businesses, cost management, and growth investments. Also, its efforts to strengthen its market reach and product offerings on the back of acquisitions have been beneficial. In first-quarter fiscal 2021, buyouts had a positive impact of 4% on the company's net sales. It also remains committed to rewarding shareholders handsomely. It paid out dividends of \$7.4 million in first-quarter fiscal 2021, while refrained from repurchasing shares as it temporary halted it due to the pandemic related woes. In the past 30 days, the company's earnings estimates have increased for the second quarter and fiscal 2021, and fiscal 2022.

Data Overview

52-Week High-Low	\$80.22 - \$35.21
20-Day Average Volume (Shares)	218,967
Market Cap	\$3.1 B
Year-To-Date Price Change	-1.6%
Beta	1.60
Dividend / Dividend Yield	\$0.70 / 1.0%
Industry	Manufacturing - Electronics
Zacks Industry Rank	Top 38% (96 out of 252)

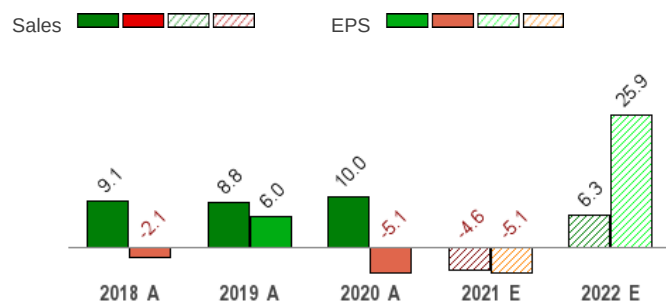
Last EPS Surprise	35.3%
Last Sales Surprise	1.2%
EPS F1 Estimate 4-Week Change	12.4%
Expected Report Date	11/04/2020
Earnings ESP	0.0%

P/E TTM	17.1
P/E F1	16.6
PEG F1	1.7
P/S TTM	1.0

Price, Consensus & Surprise



Sales and EPS Growth Rates (Y/Y %)



Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022					3,132 E
2021	705 A	715 E	749 E	776 E	2,946 E
2020	780 A	762 A	764 A	782 A	3,088 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022					\$5.59 E
2021	\$0.92 A	\$1.04 E	\$1.18 E	\$1.31 E	\$4.44 E
2020	\$1.30 A	\$1.23 A	\$1.04 A	\$1.11 A	\$4.68 A

*Quarterly figures may not add up to annual.

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 08/28/2020. The reports text is as of 08/31/2020.

Overview

Headquartered in Pennsylvania, EnerSys engages in manufacturing, marketing and distribution of various industrial batteries. Additionally, the company develops battery chargers and accessories, power equipment and outdoor cabinet enclosures. This apart, it provides support services for clients.

EnerSys' products are marketed to over 10,000 customers worldwide across more than 100 countries via a robust network of distributors, independent representatives and its own sales force. Geographically, the company operates across three regions segments, namely, Americas (including North and South America), Europe, the Middle East and Africa ("EMEA"), and Asia (Asia, Australia and Oceania).

EnerSys has three operating business segments:

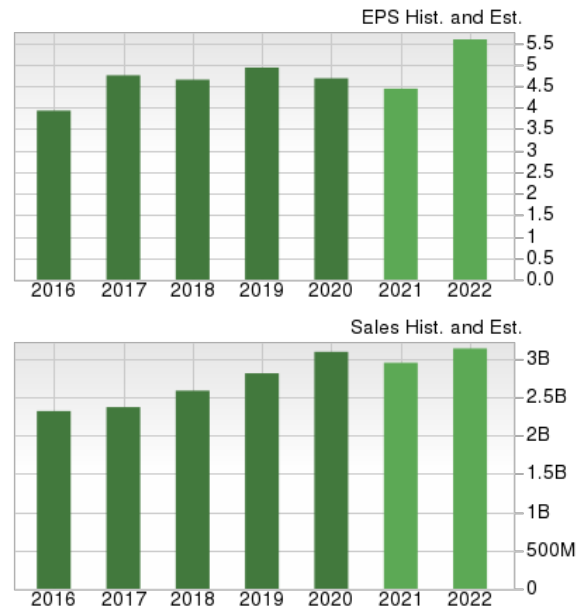
Energy Systems (50.1% of total revenues in first-quarter fiscal 2021):

The segment is engaged in manufacturing products, which are used to provide backup power for operation of critical applications deployed in telecommunications systems, "UPS" applications for computer and computer-controlled systems, large-scale energy storage and energy pipelines, and switchgear and electrical control systems in industrial facilities and electric utilities.

Also, this product line includes integrated power solutions and services for telecom, broadband, renewable and industrial customers apart from thermally managed cabinets and enclosures. Notable, the products are sold to both global and regional customers.

Motive Power (37.3%): The segment's products are used for powering "electric industrial forklifts" that are extensively deployed in industrial applications like manufacturing, warehousing and other material handling activities. The products are also used in mining equipment as well as diesel locomotive starting and other rail equipment.

Specialty (12.6%): The segment specializes in developing energy solutions for satellites, transportation, submarines, military aircraft, ships and other tactical vehicles apart from medical and security systems.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ In the past six months, EnerSys' shares have gained 13.4% as compared with the industry's growth of 9.7%. In the quarters ahead, strength in the transportation and defense businesses coupled with 5G infrastructure build outs and the growing popularity of the NexSys TPPL products are likely to support EnerSys' top-line performance. Notably, the company's partnership with Corning (inked in July 2020) to solve infrastructure challenges in the 5G deployment will help it in grabbing the increasing opportunities in the telecom space. Also, solid product portfolio (existing) and new product offerings along with its investment in new and innovative technology might be beneficial for the company. In addition, in response to the coronavirus crisis, it has been adjusting its cost structure to adapt to the current situation. In the quarters ahead, this will likely help the company to maintain a healthy margin performance amid the crisis. In the past 30 days, the company's earnings estimates have increased 18.2% for the second quarter of fiscal 2021, 12.4% for fiscal 2021 and 3.3% for fiscal 2022.
- ▲ Over time, EnerSys has strengthened its competency through acquisitions. In December 2018, it completed the acquisition of Alpha Technologies Group of Companies, provider of state-of-the-art energy solutions for telecom, broadband, industrial, renewable and traffic customers across the globe. The buyout aided EnerSys' product portfolio across the telecom, broadband, industrial and renewable markets. Moreover, in October 2019, the company completed the acquisition of NorthStar, which helped in enhancing its production capacities for TPPL products. Notably, the buyouts had a positive impact of 3% and 4% on the company's net sales in the fourth quarter of fiscal 2020 and first quarter of fiscal 2021, respectively.
- ▲ EnerSys follows a balanced capital-allocation strategy. It utilizes its cash flow for improving organic growth capabilities, executing acquisitions, dividend payouts and repurchasing shares. For instance, in fiscal 2020, it used \$29.7 million for paying dividends and \$34.6 million for purchasing treasury stocks. Also, in the first quarter of fiscal 2021 it paid out dividends worth \$7.4 million. Although due to the pandemic-related uncertainties, the company does not have any immediate repurchase plans; its dividend disbursement plan remains intact. In addition, at the end of the fiscal first quarter, its operating cash flow was \$116.6 million reflecting an increase from \$30.4 million generated in the year-ago quarter. Further improvement in cash flows is likely to effectively support the company's capital-allocation strategies.

Solid product portfolio, new product offerings, acquired assets and shareholder-friendly policies are key strengths of EnerSys.

Risks

- EnerSys' net sales in first-quarter fiscal 2021 were 9.7% lower than the year-ago figure and declined 12% on an organic basis. Notably, the year-over-year fall was primarily attributable to the adverse impacts of the coronavirus outbreak on its operational performance, across all geographic regions, and supply-chain disruptions caused by the pandemic. The company anticipates experiencing an adverse impact on its motive power business on account of the coronavirus outbreak-led market downturn in the first half of fiscal 2021. Also, for the fiscal second quarter, it expects gross profit margin to remain near 25% on expected lower revenues and utilization in some of its factories. Notably, on uncertainties, regarding the impacts of the outbreak on financial and operating results, the company has not provided any financial guidance for fiscal 2021. In addition, a highly leveraged balance sheet can inflate the company's financial obligations and subsequently hurt profitability. Notably, in the last five fiscal years (2016-2020), the company's long-term debt (net of unamortized debt issuance costs) rose 17.5% (CAGR). Also, exiting the first quarter of fiscal 2021, its long-term debt (net of unamortized debt issuance costs) remained high at \$1,080.5 million. Moreover, the company presently seems to be more leveraged than the industry. The stock's long-term debt-to-capital is 44.2%, higher than the industry's 29.8%. In addition, the company's ability to meet its debt obligations based on its current income has declined over the past quarter. Notably, its times interest earned ratio at the end of the fiscal first quarter is 4.0, lower than 4.4 recorded at the end of the previous quarter.
 - EnerSys has been making multiple investments to boost growth over time. For instance, over the past few quarters, it has been making significant investments for expanding the TPPL manufacturing capability for its NorthStar facilities. Although its investments hold good for long-term growth, high capital expenditure incurred will likely negatively impact its short-term liquidity. Notably, in the fiscal first quarter, the company's capital expenditure totalled \$26.3 million, up 52% year over year. We believe that high capital expenditure might put pressure on its profitability in the near term. In addition, the company, which operates across diverse geographies, is exposed to uncertainty in the global macroeconomic environment, especially related to politics, labor market and economic instability. Also, unfavorable movements in foreign currencies have been hurting its performance. For instance, forex woes had an adverse impact of 2% on net sales in both the fourth quarter of fiscal 2020 and the first quarter of fiscal 2021.
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Last Earnings Report

EnerSys Surpasses Q1 Earnings and Sales Estimates

EnerSys reported better-than-expected results for first-quarter fiscal 2021 (ended Jul 5, 2020). Its earnings surpassed estimates by 35.29%, while sales exceeded the same by 1.21%.

The company's earnings in the fiscal first quarter were 92 cents per share, surpassing the Zacks Consensus Estimate of 68 cents. However, quarterly earnings declined 29.2% from the year-ago quarter's figure of \$1.30 on weak sales performance and a decline in margin.

Quarter Ending	06/2020
Report Date	Aug 12, 2020
Sales Surprise	1.21%
EPS Surprise	35.29%
Quarterly EPS	0.92
Annual EPS (TTM)	4.30

Revenue Details

In the reported quarter, EnerSys' net sales amounted to \$704.9 million, down 9.7% year over year. The results were adversely impacted by an 11% fall in volumes, a 1% decline in price and a 2% impact from forex woes, partially offset by a 4% gain from acquired assets.

The company noted that the top line suffered from weakness in the Motive Power segment due to the adverse impacts of the pandemic.

However, EnerSys' top line surpassed the Zacks Consensus Estimate of \$696.5 million.

Geographically, the company's net sales decreased 9% year over year to \$491 million in the Americas, while the metric witnessed a fall of 20% to \$159 million in Europe, Middle East and Africa. Sales in Asia were \$55 million, reflecting a decrease of 8% from the year-ago quarter.

The company reports revenues under three segments. A brief discussion of the quarterly results is provided below:

Energy Systems' sales were \$353.4 million, which contributed 50.1% to net revenues in the quarter under review. On a year-over-year basis, the segment's revenues declined 0.1%. Volume was down 3% and pricing had an adverse impact of 1%. Forex woes too played spoilsport, leading to a 2% decline in sales. However, acquired assets boosted sales by 6%.

The **Motive Power** segment generated revenues of \$262.8 million, contributing 37.3% to net revenues in the reported quarter. The figure decreased 23.6% year over year due to a 21% impact of lower volume, 1% from weak prices and 2% from forex woes.

Specialty's sales were \$88.7 million, which contributed 12.6% to net revenues in the quarter under review. On a year-over-year basis, the segment's revenues increased 8.2%. Volumes declined 4% in the quarter, while acquisitions had a positive impact of 12%.

Margin Profile

In the reported quarter, EnerSys' cost of sales declined 8.4% year over year to \$529.9 million. Cost of sales was 75.2% of the quarter's net sales. Gross profit in the quarter decreased 13.2% year over year to \$175 million, while gross margin fell 100 basis points (bps) year over year to 24.8%.

Operating expenses decreased 8% year over year to \$120.4 million. It represented 17.1% of net sales in the reported quarter versus 16.8% in the year-ago quarter. Operating earnings were \$61.2 million, reflecting a year-over-year decline of 21.2%. Margin decreased 130 bps year over year to 8.7%.

Interest expenses declined 6.7% year over year to \$10.2 million.

Balance Sheet & Cash Flow

Exiting the first quarter of fiscal 2021, EnerSys had cash and cash equivalents of \$384.4 million, up 17.6% from \$327 million recorded in the last reported quarter. Long-term debt decreased 2.2% sequentially to \$1,080.5 million.

During the quarter, the company repaid term loan of \$8.4 million and revolving credit borrowings of \$55 million. However, proceeds for revolving credit borrowings were \$35 million.

The company generated net cash of \$116.6 million from operating activities in the quarter, reflecting an increase from \$30.4 million generated in the year-ago quarter. Capital expenditure totaled \$26.3 million compared with \$17.3 million in the previous-year quarter.

Dividend

EnerSys rewarded shareholders with a dividend payout of \$7.4 million in first-quarter fiscal 2021.

Outlook

Though uncertainties related to the pandemic are concerning, EnerSys anticipates gaining from initiatives related to operational expenses and solid product offerings in the quarters ahead.

Recent News

Dividend

On **Aug 12, 2020**, EnerSys' board of directors approved the payment of a quarterly cash dividend of 17.5 cents per share to shareholders of record as of Sep 11. The disbursement will be made on Sep 25.

Partnerships

On **Jul 28, 2020**, EnerSys announced its partnership with Blink Charging for developing high-power wireless and DC fast charging systems with integrated battery storage for the transportation market.

On **Jul 15, 2020**, EnerSys joined forces with Corning to accelerate 5G deployment by streamlining the delivery of fiber and electrical power to small-cell wireless sites. The companies are working to solve infrastructure challenges in the deployment of 5G and small cells in outside plant networks. The collaboration will likely accelerate the development of solutions to deliver distributed powering and optical connectivity. This, in turn, will help telecommunications service providers to eventually move toward planned deployment of 5G.

Valuation

EnerSys' shares declined 3.2% in the year-to-date period, while it increased 29.2% over the trailing 12-month period. Stocks in the Zacks sub-industry are up 1.1%, while the Zacks Industrial Products sector is down 0.7% in the year-to-date period. Over the past year, the Zacks sub-industry and the sector are up 23.9% and 14.2%, respectively.

The S&P 500 Index has moved up 8.2% year to date and increased 19.4% in the past year.

The stock is currently trading at 14.75x forward 12-month earnings per share, which compares to 23.57x for the Zacks sub-industry, 21.99x for the Zacks sector and 23.37x for the S&P 500 index.

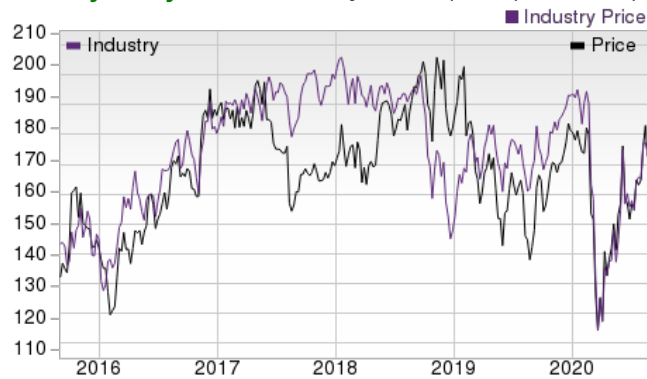
Over the past five years, the stock has traded as high as 17.4x and as low as 6.61x, with a 5-year median of 13.91x. Our Outperform recommendation indicates that the stock will perform better than the market. Our \$83 price target reflects 16.96x forward 12-month earnings per share.

The table below shows summary valuation data for ENS.

Valuation Multiples - ENS					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	14.75	23.57	21.99	23.37
	5-Year High	17.4	23.57	21.99	23.37
	5-Year Low	6.61	13.13	12.55	15.25
	5-Year Median	13.91	17.36	17.48	17.58
P/S F12M	Current	1.02	3.01	2.98	3.82
	5-Year High	1.48	3.01	2.98	3.82
	5-Year Low	0.49	1.46	1.52	2.53
	5-Year Median	1.11	2.04	2.04	3.05

As of 08/27/2020

Industry Analysis Zacks Industry Rank: Top 38% (96 out of 252)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec	Rank
ABB Ltd (ABB)	Neutral	2
AeroVironment, Inc. (AVAV)	Neutral	3
CenturyLink, Inc. (CTL)	Neutral	3
Eaton Corporation, PLC (ETN)	Neutral	3
Luna Innovations Incorporated (LUNA)	Neutral	2
Rexnord Corporation (RXN)	Neutral	3
TMobile US, Inc. (TMUS)	Neutral	3
AZZ Inc. (AZZ)	Underperform	5

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry: Manufacturing - Electronics				Industry Peers		
	ENS	X Industry	S&P 500	AVAV	AZZ	TMUS
Zacks Recommendation (Long Term)	Outperform	-	-	Neutral	Underperform	Neutral
Zacks Rank (Short Term)	2	-	-	3	5	3
VGM Score	B	-	-	D	D	C
Market Cap	3.13 B	3.13 B	23.71 B	1.85 B	918.13 M	143.91 B
# of Analysts	2	3.5	14	4	1	6
Dividend Yield	0.95%	0.35%	1.63%	0.00%	1.94%	0.00%
Value Score	B	-	-	D	C	C
Cash/Price	0.13	0.09	0.07	0.16	0.03	0.08
EV/EBITDA	12.04	11.56	13.37	24.89	7.93	16.58
PEG F1	1.66	2.90	3.08	NA	NA	4.81
P/B	2.29	2.80	3.22	3.62	1.44	2.28
P/CF	9.51	14.16	12.90	34.08	7.54	9.88
P/E F1	16.59	26.32	21.82	41.11	13.91	59.22
P/S TTM	1.04	2.03	2.52	5.04	0.93	2.78
Earnings Yield	6.03%	3.55%	4.41%	2.43%	7.19%	1.69%
Debt/Equity	0.79	0.17	0.74	0.01	0.21	1.14
Cash Flow (\$/share)	7.74	1.93	6.94	2.26	4.65	11.77
Growth Score	B	-	-	B	D	F
Historical EPS Growth (3-5 Years)	3.85%	5.28%	10.41%	68.50%	-8.04%	46.26%
Projected EPS Growth (F1/F0)	-5.13%	-13.15%	-4.94%	1.63%	-7.01%	-51.16%
Current Cash Flow Growth	18.95%	-0.79%	5.22%	24.92%	19.59%	7.57%
Historical Cash Flow Growth (3-5 Years)	2.95%	3.59%	8.50%	36.90%	1.64%	16.70%
Current Ratio	2.81	2.34	1.35	7.53	1.40	1.05
Debt/Capital	44.18%	14.19%	43.86%	1.32%	17.22%	53.35%
Net Margin	4.11%	5.70%	10.25%	11.18%	3.30%	5.19%
Return on Equity	13.74%	8.57%	14.66%	8.92%	8.68%	9.60%
Sales/Assets	0.91	0.74	0.50	0.66	0.89	0.46
Projected Sales Growth (F1/F0)	-4.60%	-7.21%	-1.43%	9.78%	-15.43%	50.26%
Momentum Score	D	-	-	D	B	A
Daily Price Change	1.67%	0.34%	0.71%	1.04%	1.18%	0.89%
1-Week Price Change	-6.75%	-1.91%	-1.45%	-3.52%	-1.91%	-0.42%
4-Week Price Change	8.41%	5.60%	4.59%	-0.36%	9.39%	10.22%
12-Week Price Change	5.88%	12.22%	4.86%	1.47%	-1.16%	16.06%
52-Week Price Change	31.43%	19.57%	3.09%	49.20%	-15.11%	49.03%
20-Day Average Volume (Shares)	218,967	199,416	1,887,168	155,076	110,994	3,730,887
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	12.40%	7.30%	0.79%	0.00%	0.00%	78.19%
EPS F1 Estimate 12-Week Change	15.48%	12.56%	3.43%	-3.77%	-10.95%	70.36%
EPS Q1 Estimate Monthly Change	18.29%	2.94%	0.00%	0.00%	0.00%	302.19%

Source: Zacks Investment Research

Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

Value Score	B
Growth Score	B
Momentum Score	D
VGM Score	B

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

Disclosures

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Returns quoted represent past performance which is no guarantee of future results. Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

Glossary of Terms and Definitions

52-Week High-Low: The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

20-Day Average Volume (Shares): The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

Daily Price Change: This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

1-Week Price Change: This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

4-Week Price Change: This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

12-Week Price Change: This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

52-Week Price Change: This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

Market Cap: The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

Year-To-Date Price Change: Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

of Analysts: Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

Beta: A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

Dividend: The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

Dividend Yield: The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

S&P 500 Index: The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

Industry: One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

Zacks Industry Rank: The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

Last EPS Surprise: The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

Last Sales Surprise: The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

Expected Report Date: This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

Earnings ESP: The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

Periods:

TTM: Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

F1: Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

F2: Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

F12M: Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

P/E Ratio: The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

PEG Ratio: The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

P/S Ratio: The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

Cash/Price Ratio: The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

EV/EBITDA Ratio: The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

EV/Sales Ratio: The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

EV/CF Ratio: The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

EV/FCF Ratio: The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

P/EBITDA Ratio: The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

P/B Ratio: The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

P/TB Ratio: The price-to-tangible-book value ratio is calculated as the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

P/CF Ratio: The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

P/FCF Ratio: The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

Earnings Yield: The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ($3/35 = 0.0857$) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

Debt/Equity Ratio: The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

Cash Flow (\$/share): Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

Current Ratio: The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

Debt/Capital Ratio: Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

Net Margin: Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

Return on Equity: Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

Sales/Assets Ratio: The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

Historical EPS Growth (3-5 Years): This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

Projected EPS Growth (F1/F0): This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

Current Cash Flow Growth: It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

Historical Cash Flow Growth (3-5 Years): This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

Projected Sales Growth (F1/F0): This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

EPS F1 Estimate 1-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

EPS F1 Estimate 4-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

EPS F1 Estimate 12-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

EPS Q1 Estimate Monthly Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.