

I'm not robot!

On-balance volume (OBV) is a technical trading momentum indicator that uses volume flow to predict changes in stock price. Joseph Granville first developed the OBV metric in the 1963 book Granville's New Key to Stock Market Profits. Granville believed that volume was the key force behind markets and designed OBV to project when major moves in the markets would occur based on volume changes. In his book, he described the predictions generated by OBV as "a spring being wound tightly." He believed that when volume increases sharply without a significant change in the stock's price, the price will eventually jump upward or fall downward. Image by Sabrina Jiang © Investopedia 2021

On-balance volume (OBV) is a technical indicator of momentum, using volume changes to make price predictions. OBV shows crowd sentiment that can predict a bullish or bearish outcome. Comparing relative action between price bars and OBV generates more actionable signals than the green or red volume histograms commonly found at the bottom of price charts.  $OBV = OBV_{prev} + \begin{cases} \text{volume, if close} > \text{close}_{prev} \\ 0, \text{ if close} = \text{close}_{prev} \\ -\text{volume, if close} < \text{close}_{prev} \end{cases}$  where:  $OBV$  = Current on-balance volume level  $OBV_{prev}$  = Previous on-balance volume level  $\text{volume}$  = Latest trading volume amount  $\begin{aligned} & \& \text{if close} > \text{close}_{prev} \& \text{if close} = \text{close}_{prev} \& \text{if close} < \text{close}_{prev} \end{aligned}$   $\text{where:}$   $OBV$  = Current on-balance volume level  $OBV_{prev}$  = Previous on-balance volume level  $\text{volume}$  = Latest trading volume amount  $OBV = OBV_{prev} + \begin{cases} \text{volume, 0, -volume, if close} > \text{close}_{prev} \\ \text{close} = \text{close}_{prev} \\ \text{close} \end{cases}$



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