+++ title = "Candlestick" description = "Candlestick visualization documentation" keywords = ["grafana", "Candlestick", "OHLC", "panel", "documentation"] aliases = ["/docs/grafana/latest/features/panels/candlestick/", "/docs/grafana/latest/panels/visualizations/candlestick/"] weight = 600 +++

Candlestick

The Candlestick panel allows you to visualize data that includes a number of consistent dimensions focused on price movement. The Candlestick panel includes an Open-High-Low-Close (OHLC) mode, as well as support for additional dimensions based on time series data.

{{< figure src="/static/img/docs/candlestick-panel/candlestick-panel-8-3.png" max-width="1200px" caption="Candlestick panel" >}}

The Candlestick panel builds upon the foundation of the [time series]({{< relref "./time-series/_index.md" >}}) panel and includes many common configuration settings.

Mode

The mode options allow you to toggle which dimensions are used for the visualization.

- **Candles** limits the panel dimensions to the open, high, low, and close dimensions used by candlestick visualizations.
- **Volume** limits the panel dimension to the volume dimension.
- **Both** is the default behavior for the candlestick panel. It includes both candlestick and volume visualizations.

Candle style

- **Candles** is the default display style and creates candle-style visualizations between the open and close dimensions.
- **OHLC Bars** displays the four core dimensions open, high, low, and close values.

Color strategy

- **Since Open** is the default behavior. This mode will utilize the *Up* color (below) if the intra-period price movement is positive. In other words, if the value on close is greater or equal to the value on open, the *Up* color is used.
- **Since Prior Close** is an alternative display method based where the color of the candle is based on the inter-period price movement or change in value. In other words, if the value on open is greater than the previous value on close, the *Up* color is used. If the value on open is lower than the previous value on close, the *Down* color is used. *This option also triggers the hollow candlestick visualization mode*. Hollow candlesticks indicate that the intra-period movement is positive (value is higher on close than on open), filled candlesticks indicate the intra-period change is negative (value is lower on close than on open). To learn more, see the [explanation of the differences](#).

Up & Down Colors

The **Up color** and **Down color** options select which colors are used when the price movement is up or down. Please note that the *Color strategy* above will determine if intra-period or inter-period price movement is used to select the candle or OHLC bar color.

Open, High, Low, Close

The candlestick panel will attempt to map fields to the appropriate dimension. The **Open**, **High**, **Low**, and **Close** options allow you to map your data to these dimensions if the panel is unable to do so.

- **Open** corresponds to the starting value of the given period.
- **High** corresponds to the highest value of the given period.
- **Low** corresponds to the lowest value of the given period.
- **Close** corresponds to the final (end) value of the given period.
- **Volume** corresponds to the sample count in the given period. (e.g. number of trades)

Additional fields

The candlestick panel is based on the time series panel. It can visualization additional data dimensions beyond open, high, low, close, and volume The **Include** and **Ignore** options allow the panel to visualize other included data such as simple moving averages, Bollinger bands and more, using the same styles and configurations available in the [time series]({{< relref "./time-series/_index.md" >}}) panel.