□ Option Chart (Individual Options) User Guide

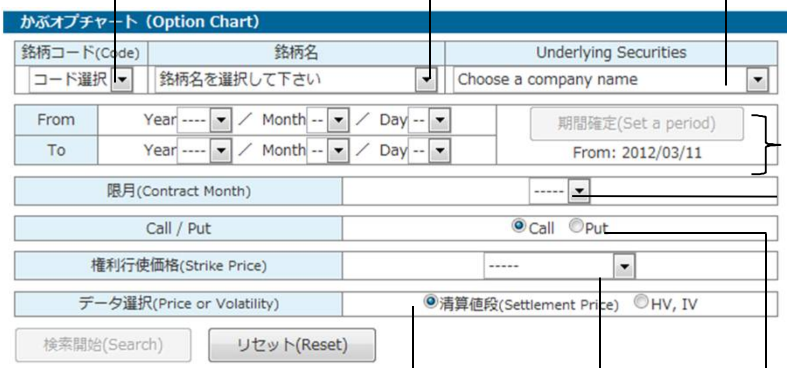
Read this text to learn about option chart features, how to use the controls, and more.

Search monitor

Select issues by "Code".

Select issues using Japanese names (abbreviation).

Select issues using English names (abbreviation).



Set a search period .
(The default is three months prior to the latest update.)

Select a contract month.
(The default is the nearer contract month based on the date specified in "To" of "Period".)

Select "Call" or "Put".
(The default is "Call".)

Select "Settlement Price" or "IV/HV“.
(The default is "Settlement Price".)

Select a strike price.
(The default is "ATM".)

Chart monitor

The search results can be downloaded in CSV format.

<Option Chart Search Screen>

Information	Notes regarding Use
Code	- You can select issues by "Code" - "Underlying Securities“ is linked to this field.
Underlying Securities	- You can search issues using English names (abbreviation). - "Code" is linked to this field.
From	- Specify the start date of your search. - You can specify a date on or after July 8, 2011. Only dates from the past two years may be specified. - Specify the year, month, and day using the drop-down menus. - The default is three months prior to the latest update.
To	- Specify the end date of your search. - You may only specify a date that falls between the day specified in "From" to the date of the latest update. - Specify the year, month, and day using the drop-down menus. - The default is the date of the latest update. - If you specify a non-existent date, an error message will be returned.
Contract Month	- You can select all contract months that were available during the specified period. - The default is the nearer contract month based on the date specified in "To" of "Period".
Call/Put	- Select "Call" or "Put". - The default is "Call".
Strike Price	- Shows all available strike prices of the options issue(s) selected in "Issue", "Period", "Contract Month", and "Call/Put". - The default is "ATM".
Price or Volatility	- After conducting the search, select "Settlement Price" or "IV/HV" for the graph to be shown in the option chart. - The default is "Settlement Price".
Search	- This button begins the search.
Reset	- Returns all selected items to their default values - If you wish to conduct a search using different conditions, do not click the reset button, but change each individual item.

<Option Chart >

Information	Notes regarding Use
Chart	- Shows a chart of individual options based on search items.
Settlement Price Chart	- If "Settlement Price" is selected in the option chart search screen, two line charts for "Settlement Price" and "Last Price" will be shown. - Settlement price is indicated in blue, and the closing price of the underlying security is indicated in red. - If there was corporate action such as a stock split, only the chart after such corporate action will be shown.
HV, IV Chart	- If "IV/HV" is selected in the option chart search screen, three line charts for "IV", "HV", and "Last Price" will be shown. - IV is indicated in orange, HV in green, and the closing price of the underlying security in red. - If there was corporate action such as a stock split, only the chart after such corporate action will be shown.
CSV	- The search results can be downloaded in CSV format. - The CSV file is automatically named according to the following rule. (Example) "kabuop(Code)_(Start date)-(End date).csv"

Note

✓ Settlement price will not be shown under below conditions.

- Before the first trading day and after the last trading day of each individual options.
- After the delisting day of individual options.

✓ IV will not be shown under below conditions.

- Two days before the first trading day and after the last trading day of each individual options.
- After the delisting day of individual options.

✓ Stock Price and HV will not be shown under below conditions.

- After the delisting day of individual options.

✓ Corporate action

- OSE will determine and announce the adjustment method for each case when a company that issues the underlying securities of an individual option makes an announcement. If there was corporate action such as stock split, gratis allotment of shares, paid-in allotment of shares, gratis allotment of subscription warrants, and reverse stock split, only the chart after such corporate action will be shown.
  http://www.ose.or.jp/e/derivative/7152
  (Osaka Exchange website; Corporate Action)

✓ H.V.

- The "H.V." (historical volatility) which was calculated using the closing prices of an underlying security for the past 20 days.

✓ I.V.

- The "I.V."(implied volatility)which was used for calculating the settlement.

<IV Rankings>

Information	Notes regarding Use
Implied Volatilities Increase Rate Ranking	- Shows the top 5 issues with the largest rate of daily IV change in descending order. - In cases where there are issues whose rates of IV change are the same, such issues are shown in descending order of IV (%). - In cases where there are issues whose rates of IV change and IV (%) are the same, such issues are shown in ascending order of their codes.
Implied Volatilities Decrease Rate Ranking	- The top 5 issues with the smallest rate of daily IV change shown in ascending order. - In cases where there are issues whose rates of IV change are the same, such issues are shown in descending order of IV (%). - In cases where there are issues whose rates of IV change and IV (%) are the same, such issues are shown in ascending order of their codes.
Implied Volatilities Ranking	- The top 5 issues in terms of the absolute IV value shown in descending order. - In cases where there are issues whose IV (%) are the same, such issues are shown in ascending order of their codes.
Code	- The 4-digit issue code of the underlying asset.
Underlying Securities	- Abbreviation of the underlying asset.
IV	- IV of the nearest contract month's ATM shown in % rounded off to the first decimal place. - Note that the IVs of the nearer contract month's ATM call and put options are always the same.
IV change	- Daily IV change (%) = (Last IV - Previous day's IV)/Previous day's IV X 100 - Decimals are rounded off to the first decimal place. (Note) In the final trading week, the rate of daily IV change will be 0.0% for many issues,
Last Price	- The closing price of the stock that is the underlying asset on the day of the update.
Change	- With regard to the last price of the underlying asset, calculate and show the change (%) between the price on the day of the most recent update and that on the previous business day.