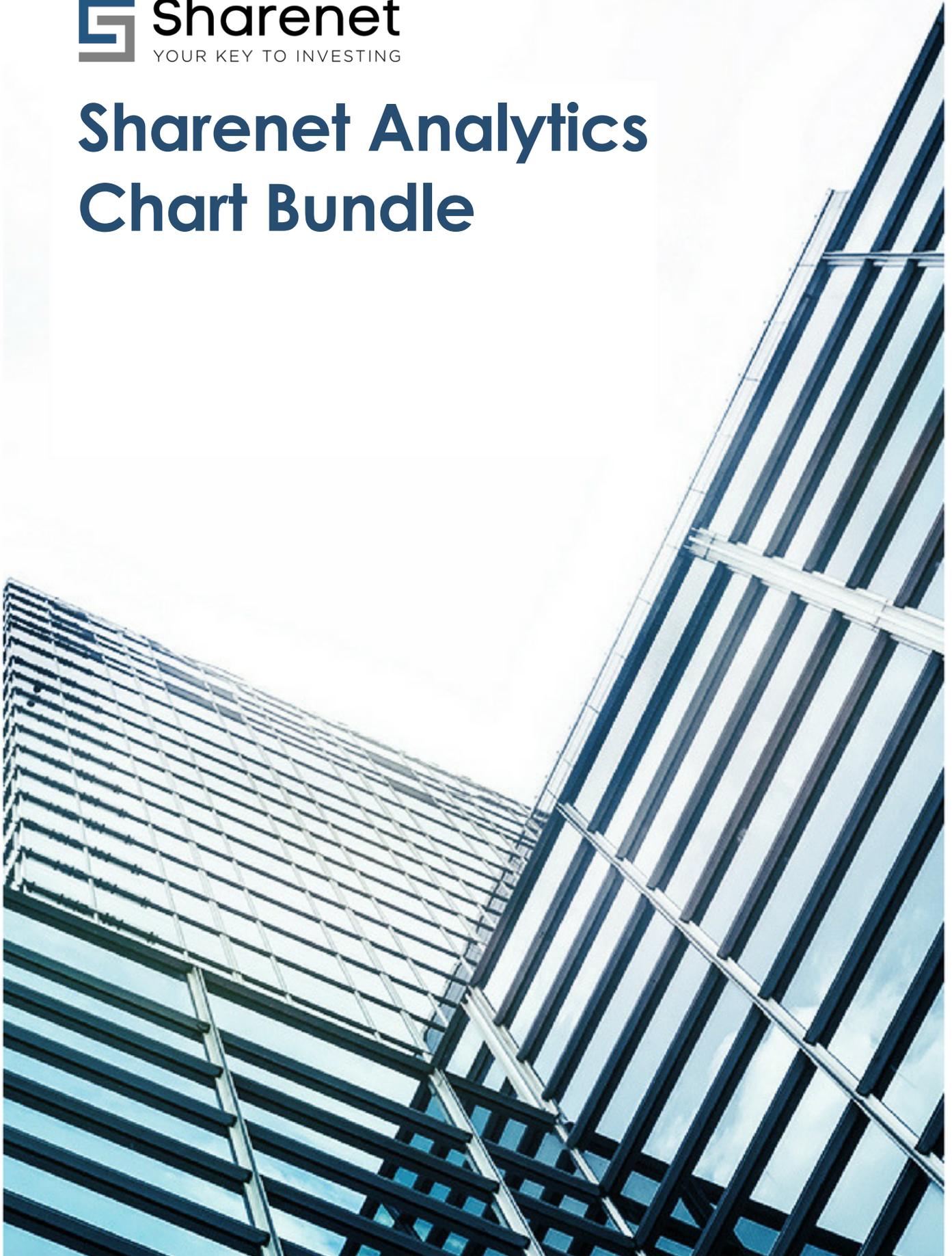
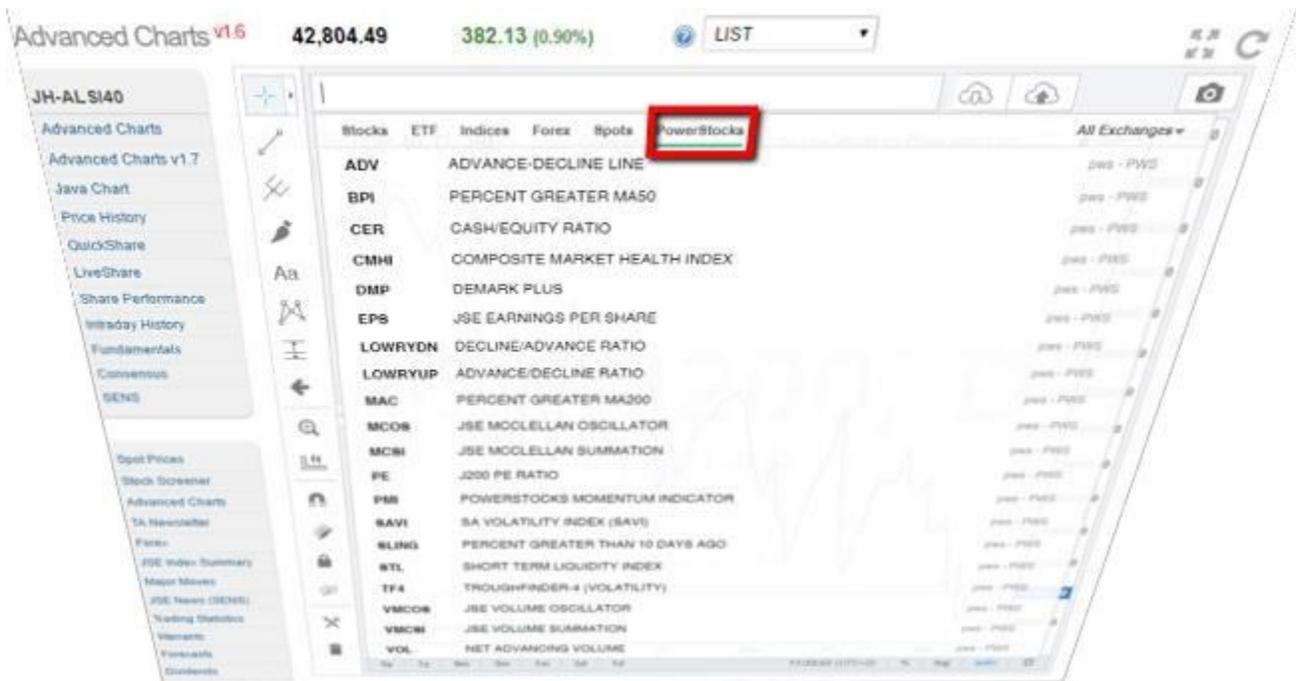




Sharenet Analytics Chart Bundle





Combining the power of a Sharenet Analytics Research subscription with an Advanced Online Charting subscription for a cost-effective price.

Just as a mechanic or plumber needs a toolbox, the market participant needs the most basic tools of the trade.

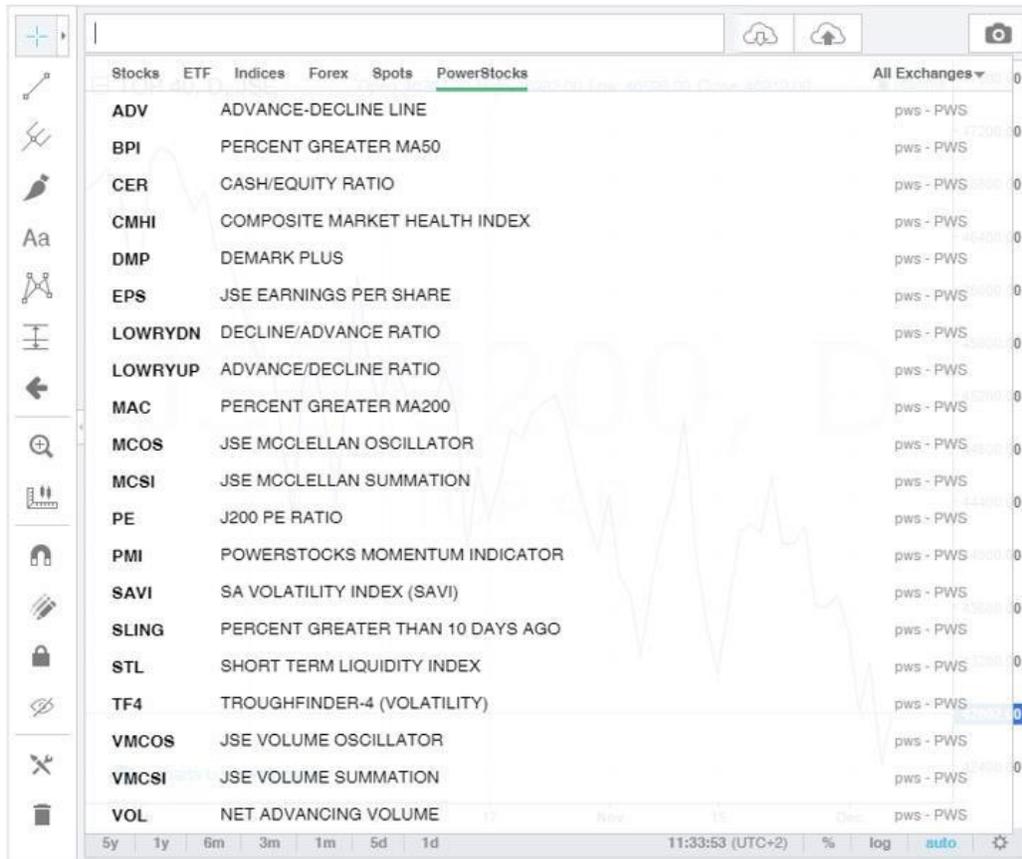
This invariably comes down to a brokerage account, charting program, and quality research.

The PWS-CHART bundle not only has a Sharenet Analytics and Advanced Charting subscription bundled together for less than the price of each added together, it also includes unique integration features:

1. 20 of the most powerful Sharenet Analytics macro and trading market-breadth indicators and signals are included as an instrument option, to be overlaid or shown as separate indicators with your normal charting.
2. An option to export JSW-Online shortlists to an Advanced Chart scroll list as an additional export option to the current QUICKCHARTS and JavaCharts.
3. Access to Sharenet Analytics team Advanced Charts templates, updated in real-time so you don't have to configure templates or annotations yourself. You can load these and make changes/additions and then save for yourself for personal use.

20 of the most powerful and used breadth indicators

If you are an Advanced Charts subscriber with an Active Sharenet Analytics subscription, you will see an additional instrument menu "PowerStocks"



Many of these can be added, over-laid or shown separately on a single Advanced Charts configuration and the templates saved for future ease of loading. This provides for a far better and flexible viewing experience than currently provided by the PowerStocks short-term signal charts. An example of J200 as primary chart and Percentage Shares greater than their 50-day moving average as secondary overlay is shown below:

END-OF-DAY

Bear in mind all the PowerStocks indicators are end-of-day meaning they are compiled around 8:30pm each evening before the latest reading becomes available. So, if you have real-time or intraday delayed Advanced Charts subscriptions, the minute you add a PowerStocks indicator to your chart, it forces the entire chart you are viewing into END-OF-DAY mode meaning the latest data will be as of the close the prior day.

UPGRADING:

A PowerStocks Subscription can be upgraded to PWSCHART with a simple R213 per month (or R2555 per annum)

Advanced Charts add-on (<https://trade.sharenet.co.za/v3/signup.php?level=CHARTADD>)

If you are an Advanced Charts subscriber, then a cost effective upgrade to PowerStocks with Charting (PWSCHART) can be obtained by contacting our sales desk at sales@sharenet.co.za or 021-7004828

INDICATORS AVAILABLE

We are the only provider of the following market breadth information that is now available on your PWSCHART subscription:

Stocks	ETF	Indices	Forex	Spots	PowerStocks
13WK		NET NEW 13WK HIGHS			
26WK		NET NEW 26WK HIGHS			
4WK		NET NEW 4WK HIGHS			
52WK		NET NEW 52WK HIGHS			
8WK		NET NEW 8WK HIGHS			
ADV		ADVANCE-DECLINE LINE			
BPI		PERCENT GREATER MA50			
CER		CASH/EQUITY RATIO			
CMHI		COMPOSITE MARKET HEALTH INDEX			
DMP		DEMARK PLUS			
EMRI		EMERGING MARKET RISK INDEX			
EPS		JSE EARNINGS PER SHARE			
LOWRYDN		DECLINE/ADVANCE RATIO			
LOWRYUP		ADVANCE/DECLINE RATIO			
MAC		PERCENT GREATER MA200			
MCOS		JSE MCCLELLAN OSCILLATOR			
MCSI		JSE MCCLELLAN SUMMATION			
PE		J200 PE RATIO			
PMI		POWERSTOCKS MOMENTUM INDICATOR			
SAVI		SA VOLATILITY INDEX (SAVI)			
SLING		PERCENT GREATER THAN 10 DAYS AGO			
STL		SHORT TERM LIQUIDITY INDEX			
TF4		TROUGHFINDER-4 (VOLATILITY)			
VMCOS		JSE VOLUME OSCILLATOR			
VMCSI		JSE VOLUME SUMMATION			
VOL		NET ADVANCING VOLUME			

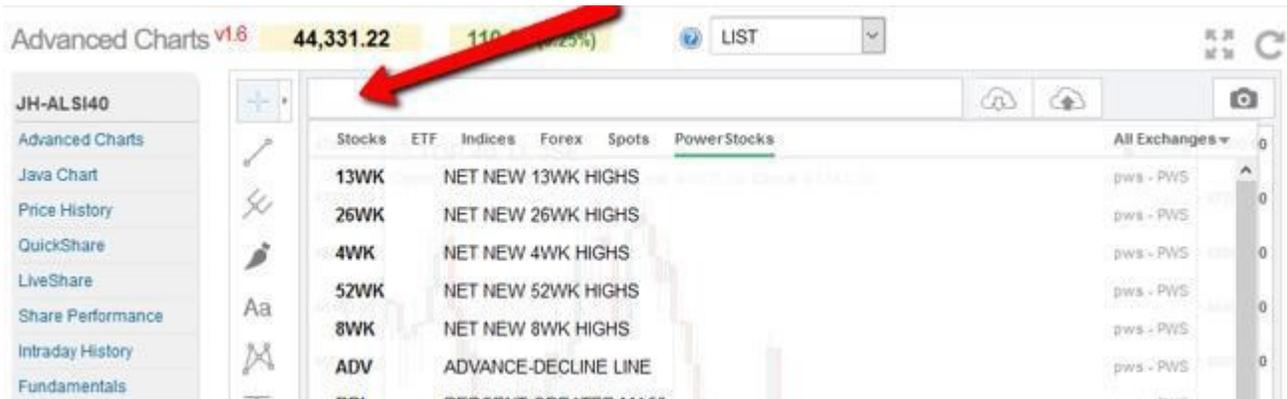
INDICATOR DESCRIPTIONS

All indicators are identical to those you are used to seeing from within your PowerStocks subscription. You can thus find information on the indicators, what they mean and how they work by clicking on the “i” info button on these charts from within your PowerStocks subscription.

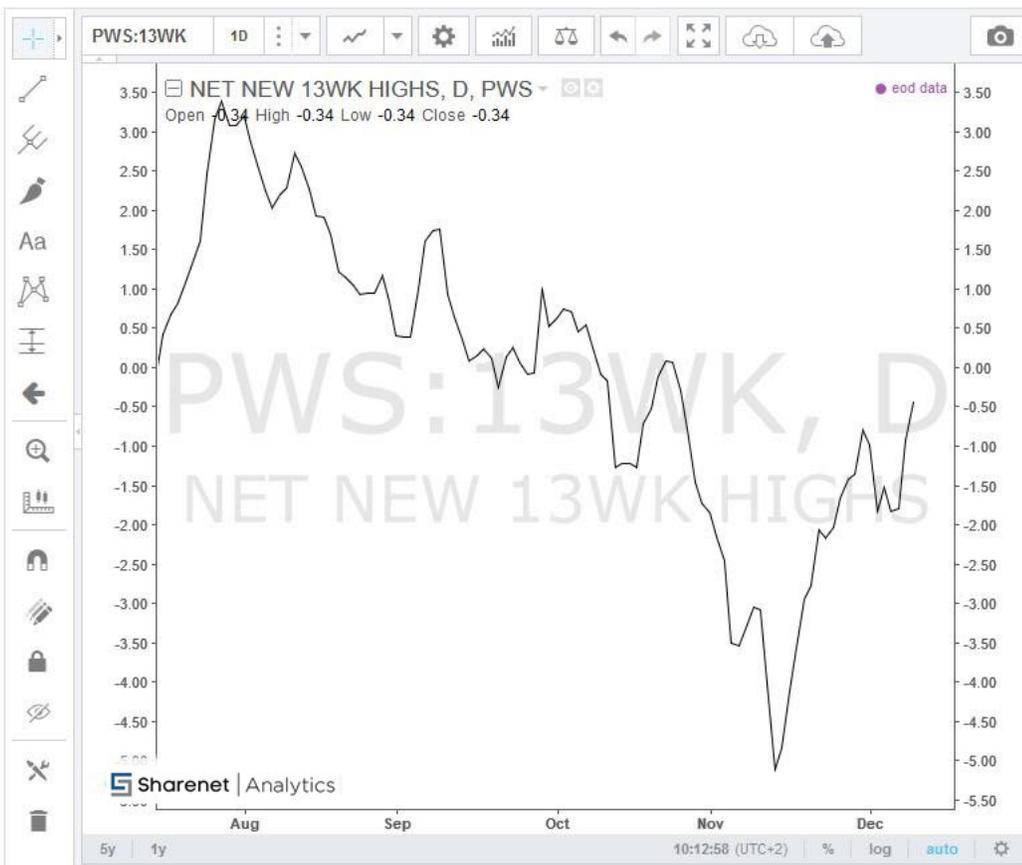
INDICATOR DESCRIPTIONS

All indicators are identical to those you are used to seeing from within your PowerStocks subscription. You can thus find information on the indicators, what they mean and how they work by clicking on the "i" info button on these charts from within your PowerStocks subscription.

GETTING ACCESS TO THE POWERSTOCKS INDICATORS



Delete whatever is currently showing in the instrument input box, then select PowerStocks to get access to the indicators. Below, is the display after selecting the first indicator "Net new 13 week highs"



OVERLAYING THE INDICATORS

Let's assume we have a chart of the J200 open, and want to add some PowerStocks indicators. Right-click anywhere on the chart and then select "Compare or Add Symbol"



Then make sure you UNTICK "Overlay the main chart" to force the additions as separate inlays:



Enter any character to reveal the instrument group headings, then backspace to delete it again, then click PowerStocks to reveal all the indicators:



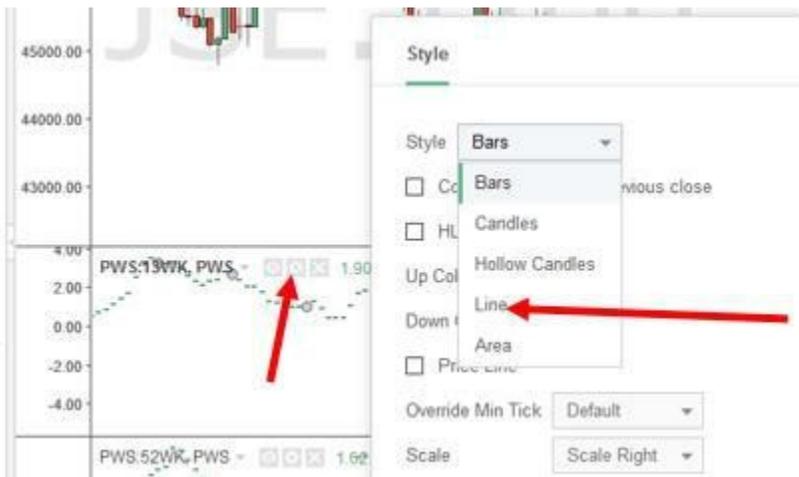
Click on your desired indicator and it will appear in a separate pane below



The “add Symbol” dialogue remains open, allowing you to add further indicators. When you are done adding indicators, simply click the “x” on top right of the dialogue entry box to close it. We selected “Net New 52Wk highs” as our second indicator and closed the dialogue box to get the following:



You will note that the indicators are trying to show as candles by default, which makes no sense (there is no open, high or low for the breadth indicators) so click on the “settings” gear of each indicator and select “line”



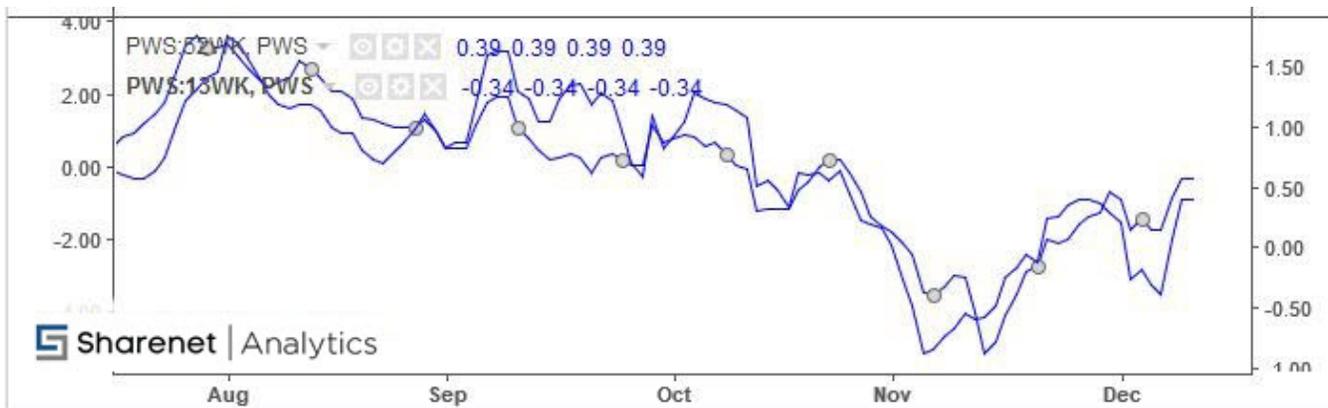
You should then see the following:



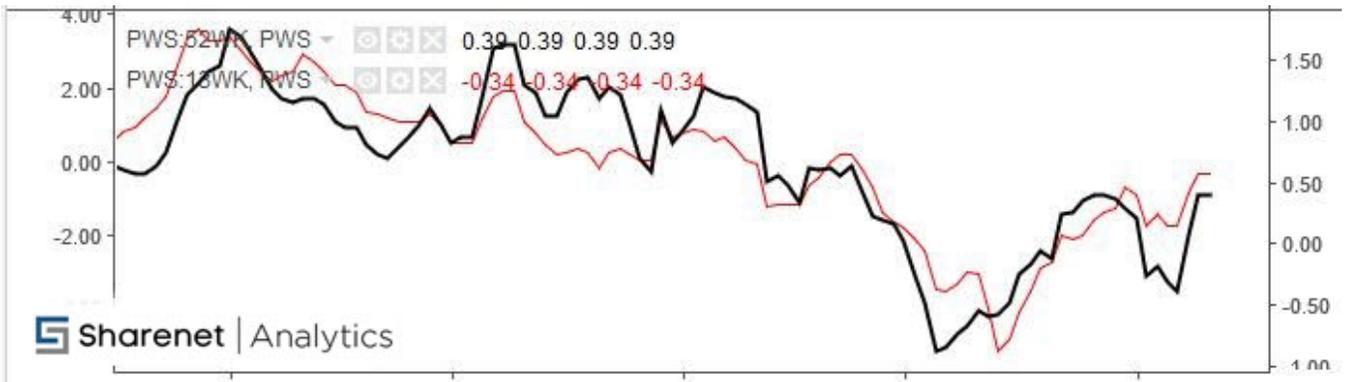
The "Net New" indicators are best viewed together in a single pane, normally a short period one (4,8 or 13 week) coupled with a long period one (26 or 52-week). Click on the top indicator itself to reveal white circles on it and then right-click to reveal the options drop-down. Then click "Merge Down" to merge this indicator with the one in the pane below it:



You should now see something like the below:



Double-click on the PWS 13Wk indicator line to reveal the box that allows you to change its color, thickness etc. We changed it to red. Then double click on the PWS 52Wk indicator and change its color to black and make the line thicker to show that it is the "slower" moving indicator. You should see something like this now:



Note that it has placed each indicator on a separate axis (one left, one right) which is not what we want. Double-click on the red line to reveal its settings box, then change "Scale Left" to "Scale Right":

Style

Style

Price Source

Type

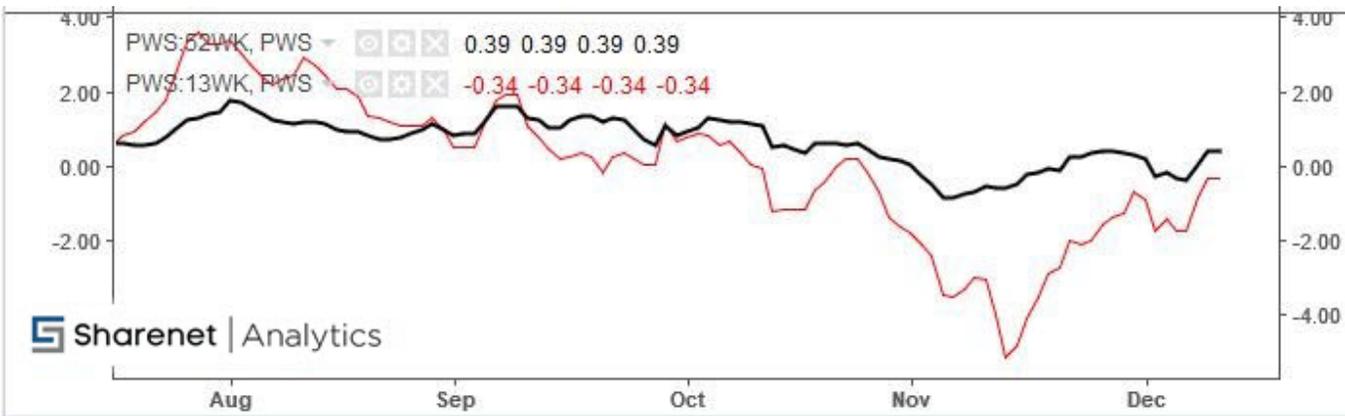
Line

Price Line

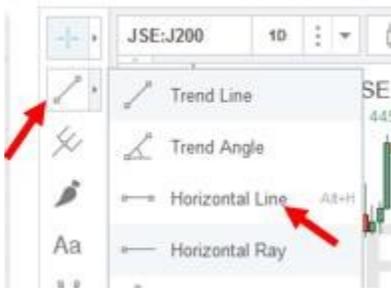
Override Min Tick

Scale

We now have both breadth indicators on the right-hand-side axis:



We need to add in a horizontal line around the zero mark. Simply go to the line-drawing tool, click on it, and then click to select the "Horizontal Line":



Drag the horizontal line to your indicator and place it visually as close to zero as you can. Then double-click on the horizontal line and change the coordinates to 0.001 (for some obscure reason, changing it to zero doesn't work). You should see your completed Net New Highs indicator below:



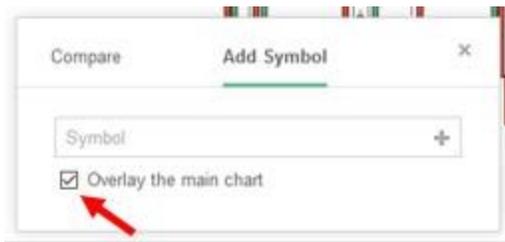
The net-new high indicator gives a general market JSE bearish signal when the faster moving indicator (the red net-new 13 week highs) crosses under the slower moving indicator (the tick black net new 52 week highs) and vice versa. The red arrows above show the two instances this occurred.

You can play around with your favorite combination of net new highs. A short-term signal can be achieved by using the 4Wk and the 13Wk in combination, a medium term signal can be achieved by using the 8Wk and the 26Wk signal and a longer term signal can be achieved by using the 13wk and the 52wk signal for example.

To SAVE this template so you never need create it again, just click the SAVE button and give it a name. You can then load this chart at any time in the future by using the SAVE TEMPLATE button;

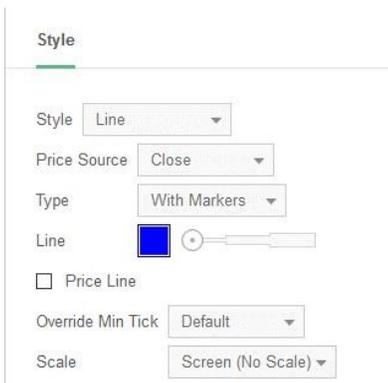


Let's add an indicator directly over the J200 itself. Right-click on the J200 chart to reveal a drop down menu then select "Compare or Add an Indicator" to reveal the following:



Make sure you tick the "Overlay the main chart" option. Then type any key, and then backspace to delete what you typed to reveal available instruments, select PowerStocks then select "Net advancing volume" right at the end of the list. Then click the "x" in the top-right of the dialogue box to dismiss it.

The indicator will show up as dots again (trying to draw candles which doesn't make sense) so double click on the indicator then select "Line" and "With Markers" as shown below:



We should now see this:



PRECONFIGURED TEMPLATES

The PowerStocks Research Analytics team have created some highly useful saved preconfigured templates used ourselves for our stock market operations. You can merely load these templates with all their indicators, overlaid objects and annotations and then make your own changes and save them as your own template.

Sometimes, our team update these templates, make additions, modifications, or update annotation on them and these become INSTANTLY available for you to load at any time.

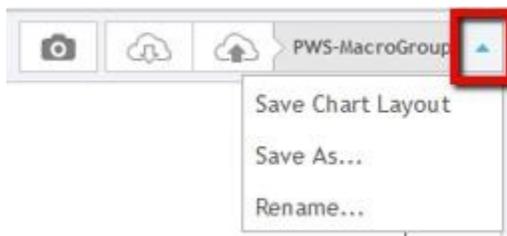
Just click on the LOAD TEMPLATE option to reveal a SEARCH box option:



You can then type **"PWS-"** (don't forget the dash "-" at the end) and all our preconfigured templates are made available to you to load:

Load Chart Layout		
Q PWS-		
Chart Layout Name	Last Modified ▲	Active Symbol
★ PWS-J200 PE Resistance	01/11/2017 15:46	JSE:J200, D
PWS-J210 Resource20	01/11/2017 15:22	JSE:J210, 1W
PWS-J200 Regression Lines	01/11/2017 15:13	JSE:J200, D
PWS-MacroGroup	01/11/2017 15:12	JSE:J200, D
PWS-ShortTermGroup	01/11/2017 15:04	PWS:ADV, D
PWS-NET NEW HIGHS	12/12/2016 11:49	JSE:J200, D

Note that you cannot save over these as they are read-only and preserved as public templates for all other PowerStocks subscribers. To amend them and save as your own click on the little drop-down next to the chart name and then choose SAVE AS and choose your new name. This will save the template on your own profile (only you can see it). Clicking on "Save Chart Layout" or "Rename" won't do anything!



The PowerStocks Analytics team will amend and add to these templates to highlight certain things in the markets or provide more innovative ways for you to track the markets. Just look at the "Last Modified" date to see when last we made edits to a chart.

EXAMPLE TEMPLATE-1 – SHORT TERM DASHBOARD

Below is a sample dashboard we have created with 13 short term indicators we might want to examine each morning. The Demark Plus cancel (stop) line naturally needs to be laid on top of the J200 on the same axis. The J200 PE has no axis (it is set to (screen)) as we just want to see if its making new highs. Holding your cursor over any point and you can read out the PE from the top left of the chart.



 This template is a PRECONFIGURED one that should be available to you. You can load it from your LOAD TEMPLATE button as "PWS-ShortTermGroup". You can then change or modify it to your preferences and then save it again as your own personal template.

EXAMPLE TEMPLATE-2 – SINGLE BREADTH INDICATOR WITH MOVING AVERAGE

Here is the PowerStocks BPI (% shares trading higher than their 50-day moving average) with a 5-day exponential moving average plotted against J203:ALSH. The main instrument is BPI and the secondary (overlay) is the J203. When the BPI prints above 70% this is confirmation of a healthy bull market. But, if after printing 70%, the BPI peaks lower than 70% while the J203 makes a new high, then we have a bearish divergence which warns of an impending correction of around 11.5% on average. All seven instances of this since this bull market commenced in March 2009 are plotted on this chart. I've simply saved this chart as a template now and can load it up every day for an update. The BPI is below 50% now which indicates bearish conditions. The next up-leg on the J203 needs to occur with BPI > 50% and printing 70% at least once. When it has done this, we can start looking for divergences to warn of the next major pullback.



EXAMPLE TEMPLATE-3 – J200 FUNDAMENTAL RESISTANCE WHEN MARKET BECOMES TOO EXPENSIVE

Here is the J200 (right hand axis), overlaid with its trailing Price-Earnings ratio (purple line, left hand axis.) The circles show PE of 24x which are lifetime highs from which the market correct sharply on the last two occasions. This is “fundamental resistance” when the market is too expensive even for the risk-takers out there. The red dotted line shows the level the J200 must reach to get to a PE of 24, so is effectively your “ceiling”. The market will struggle to get higher than this unless market participants are willing to drive the market to as yet unseen valuation levels (expensive market).



 This template is a PRECONFIGURED one that should be available to you. You can load it from your LOAD TEMPLATE icon as "PWS-J200 PE Resistance". You can then change or modify it to your preferences and then save it again as your own personal template.

EXAMPLE TEMPLATE-4 - J200 DEVIATION FROM REGRESSION

Here is the J200 with its linear regression trend lines and +1 and +2 standard deviations. The J200 is mean-reverting so this show you how much "stretch" is in the rubber band that is going to force the JSE in the opposite direction. If the J200 is above +1 or +2 standard deviations, there are tremendous "gravitational" forces that are starting to try and "pull it back" to the black dotted mean. Instances when the J200 visited below -2 standard deviations (green line on bottom) are rare, extreme pessimism events that have created wonderful buying opportunities.



This template is PRECONFIGURED and available to you. You can load it from your LOAD TEMPLATE box as "PWS-J200 Regression Lines". You can then change or modify it to your preferences and then save it again as your own personal template.

EXAMPLE TEMPLATE-5 - COMMODITIES BULL MARKETS AND RECESSIONS

Here is the J210 resources index shown with bear markets and recessions. The commodities complex and fortunes of the commodities market is very important for the SA stock market and economy. Generally, bull markets of the resources sector align with economic growth and bull markets in the JSE. You can track it all from this single chart where we see the resources sector has entered a new bull market after a massive bear market.



 This template is PRECONFIGURED and available to you. You can load it from your LOAD TEMPLATE box as "PWS-J210 Resources20". You can then change or modify it to your preferences and then save it again as your own personal template.