

# RBC Large Cap US Tactical Equity Total Return Index

Performance Factsheet

#### **Index Objectives:**

The RBC Large Cap US Tactical Equity Total Return Index is designed to meet or exceed risk-adjusted returns relative to the benchmark by optimizing asset allocation between Large-Cap U.S. equities and cash. This dynamic asset allocation is implemented by observing bullish or bearish trends in Large-Cap U.S. equities, on a monthly basis, to determine the exposure until the next monthly observation.

#### **Index Ticker Symbols:**

Bloomberg: RBCELTUT Index Thomson Reuters: .RBCELTUT

#### **Index Launch Date:**

February 18, 2019

#### **Index Base Date:**

October 31, 2007

#### **Asset Class:**

Equity

Fixed Income (Cash)

#### **Allocations:**

E-mini S&P 500 Futures contract Federal Funds Rate

#### **Last Allocation Date:**

November 16, 2022

#### Benchmark:

S&P 500 Total Return Index Bloomberg: SPXT Index Thomson Reuters: .SPXT

#### Liquidity:

The Index tracks equity futures and cash. The tracked futures contract averages significantly in excess of \$1bn in daily trading volume.

# **Availability:**

Investors cannot invest directly in the Index. The Index can be used as an underlying for various investment vehicles to provide exposure to investors.

#### **Index Description**

The Index provides exposure to either Large-Cap U.S. equities or cash (the Federal Funds rate). This allocation determination is based on monthly observations of a pre-defined Tactical Trigger: the 200 daily moving average (200 DMA) of the SPDR S&P 500 ETF Trust (Bloomberg: SPY US Equity; the ETF). The Index obtains exposure to Large-Cap U.S. equities by tracking the performance of the futures contract.

On the specified monthly determination date, if the ETF is at or above its 200 DMA (a bullish trend), the Index will allocate to equity via the E-mini S&P 500 futures contract plus the Federal Funds rate (to replicate the total return) <u>or</u> only to the Federal Funds rate if the ETF is below its relevant 200 DMA (a bearish trend).

#### Performance<sup>1, 2</sup> - Total Return (USD)



	Re	turn (9	%) <sup>2</sup>		Retur	n p.a. (%	6)	YoY Return (%)					
Index (USD)	<u>1M</u>	<u>3M</u>	<u>YTD</u>	<u>1Y</u>	<u>3Y</u>	<u>5Y</u>	<u>Base</u>	<u>'17</u>	<u>'18</u>	<u>'19</u>	<u>'20</u>	<u>′21</u>	
Index (I)	0.3	0.8	-4.8	-0.6	4.5	6.9	8.5	21.1	6.7	16.7	-9.1	28.2	
Benchmark (B)	5.6	3.6	-13.1	-9.2	10.9	11.0	8.8	21.8	-4.4	31.5	18.4	28.7	
Variation (I) - (B)	-5.3	-2.8	8.3	8.6	-6.4	-4.1	-0.3	-0.7	11.1	-14.8	-27.5	-0.5	

	Volatility p.a. (%) <sup>3</sup>			Sharpe Ratio <sup>4</sup>			12 Month Return		Worst Drawdown		Beta	
Index (USD)	<u>1Y</u>	<u>5Y</u>	Base	<u>1Y</u>	<u>5Y</u>	Base	<u>Best</u>	Worst	<u>(%)</u>	DUW <sup>5</sup>	<u>1Y</u>	<u>5Y</u>
Index (I)	8.7	15.7	13.2	-0.38	0.45	0.66	43.6	-19.8	-30.9	16	0.13	0.52
Benchmark (B)	24.1	21.8	21.0	-0.39	0.57	0.50	77.8	-47.5	-54.8	53	1.00	1.00
Variation (I) - (B)	-15.4	-6.2	-7.8	0.01	-0.12	0.16	-34.2	27.7	23.9	-36	-	-

- <sup>1</sup> Daily data from October 31, 2007 to November 30, 2022. Index re-based to 100 on October 31, 2007. Please see the final page for important information about the presentation of the performance information set forth in this document
- <sup>2</sup> Source: Solactive AG, Bloomberg, RBC Capital Markets
- <sup>3</sup> Based on daily returns, annualized with a 252-day factor
- <sup>4</sup> Based on the average of daily excess returns against Fed Funds, annualized with a 252-day factor
- <sup>5</sup> Duration Under Water: number of months taken by the Index and the Benchmark to increase back to their respective previous highest level after a market decline

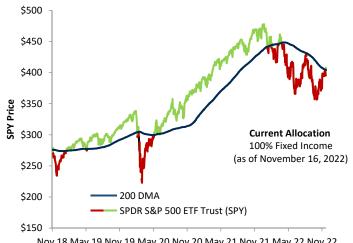


# Allocation History<sup>1</sup> (over last 12 months)

Determination Date	Allocation Date	E-mini S&P 500 Futures	Cash	Index Performance *	Benchmark Performance *
November 14, 2022	November 16, 2022	0%	100%	TBD**	TBD**
October 17, 2022	October 19, 2022	0%	100%	0.3%	7.3%
September 12, 2022	September 14, 2022	0%	100%	0.3%	-6.2%
August 15, 2022	August 17, 2022	0%	100%	0.2%	-7.5%
July 11, 2022	July 13, 2022	0%	100%	0.2%	12.6%
June 13, 2022	June 15, 2022	0%	100%	0.1%	0.4%
May 16, 2022	May 18, 2022	0%	100%	0.1%	-3.3%
April 11, 2022	April 13, 2022	0%	100%	0.0%	-11.6%
March 14, 2022	March 16, 2022	0%	100%	0.0%	2.1%
February 14, 2022	February 16, 2022	0%	100%	0.0%	-2.5%
January 14, 2022	January 19, 2022	100%	0%	-1.2%	-1.2%
December 13, 2021	December 15, 2021	100%	0%	-3.7%	-3.7%

<sup>&</sup>lt;sup>1</sup> Determination Date was two business days prior to Allocation Date

# Allocation Snapshot (as of November 30, 2022)



#### Nov 18 May 19 Nov 19 May 20 Nov 20 May 21 Nov 21 May 22 Nov 22

# **Characteristics Snapshot**

As of Last Dete	As of Last Determination Date (November 14, 2022)											
Indicator	Closing Level	Tactical Trigger										

Indicator	Closing Level	Tactical Trigger
Large-Cap U.S. (SPY)	395.12	2.9% BELOW 200 DMA

# As of Month End (November 30, 2022)

Indicator	Closing Level	Distance from DMA
Large-Cap U.S. (SPY)	407.68	0.9%

Date	Last	Next
Determination	November 14, 2022	December 12, 2022
Allocation	November 16, 2022	December 14, 2022

# Monthly Returns (%, as of November 30, 2022)

Index	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2022	-5.3%	-0.8%	0.0%	0.0%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.3%		-4.8%
2021	-1.2%	2.8%	4.4%	5.2%	0.7%	2.3%	2.4%	3.0%	-4.7%	7.0%	-0.7%	4.4%	28.2%
2020	-0.1%	-8.4%	-18.1%	0.0%	0.0%	-0.5%	5.6%	7.2%	-3.9%	-2.6%	11.0%	3.7%	-9.1%
2019	0.2%	0.2%	0.8%	4.1%	-6.5%	7.0%	1.5%	-1.8%	1.9%	2.1%	3.7%	2.8%	16.7%
2018	5.7%	-3.8%	-2.7%	0.3%	2.4%	0.6%	3.7%	3.2%	0.6%	-3.3%	0.2%	0.2%	6.7%
2017	1.8%	3.9%	0.1%	1.0%	1.4%	0.6%	2.0%	0.2%	2.0%	2.4%	3.0%	1.1%	21.1%
2016	0.0%	0.0%	1.7%	0.4%	1.8%	0.2%	3.8%	0.1%	-0.1%	-1.8%	3.7%	2.0%	12.4%

Benchmark	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2022	-5.2%	-3.0%	3.7%	-8.7%	0.2%	-8.3%	9.2%	-4.1%	-9.2%	8.1%	5.6%		-13.1%
2021	-1.0%	2.8%	4.4%	5.3%	0.7%	2.3%	2.4%	3.0%	-4.7%	7.0%	-0.7%	4.5%	28.7%
2020	0.0%	-8.2%	-12.4%	12.8%	4.8%	2.0%	5.6%	7.2%	-3.8%	-2.7%	10.9%	3.8%	18.4%
2019	8.0%	3.2%	1.9%	4.0%	-6.4%	7.0%	1.4%	-1.6%	1.9%	2.2%	3.6%	3.0%	31.5%
2018	5.7%	-3.7%	-2.5%	0.4%	2.4%	0.6%	3.7%	3.3%	0.6%	-6.8%	2.0%	-9.0%	-4.4%
2017	1.9%	4.0%	0.1%	1.0%	1.4%	0.6%	2.1%	0.3%	2.1%	2.3%	3.1%	1.1%	21.8%
2016	-5.0%	-0.1%	6.8%	0.4%	1.8%	0.3%	3.7%	0.1%	0.0%	-1.8%	3.7%	2.0%	12.0%

<sup>\*</sup> Performances between current and next Allocation Date; \*\* To be determined on the next Allocation Date (December 14, 2022)

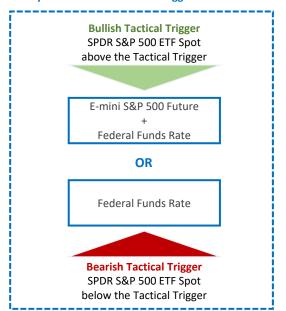
# **Summary of Index Methodology:**

RBC Large Cap US
Tactical Equity Total Return Index

# **Tactical Trigger – Determined 2 Trading Days Before Allocation**

200-day Moving Average SPDR S&P 500 ETF Trust (SPY)

# Monthly Allocation – Is Tactical Trigger Bullish or Bearish?





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#### Important Information About the Historical Performance of the Index

The Index was launched on February 18, 2019. Accordingly, all of the information about the performance of the Index prior to that date is based on hypothetical back-tested information.

The hypothetical performance of the Index is based on criteria that have been applied retroactively with the benefit of hindsight; these criteria cannot account for all financial risk that may affect the actual performance of the Index in the future. The future performance of the Index may vary significantly from the hypothetical performance data in this document. In addition, please note that the back-tested performance of the Index set forth in this document does not reflect the deduction of any fees and charges that would be applicable to a financial instrument that references the Index.

For the full Index methodology, please visit the following link:  $\underline{www.solactive.com}$