

July 29 ,2024

# Exceptional & Rich US 80 FQG ESG™

Inception date January 2018

### **Description**

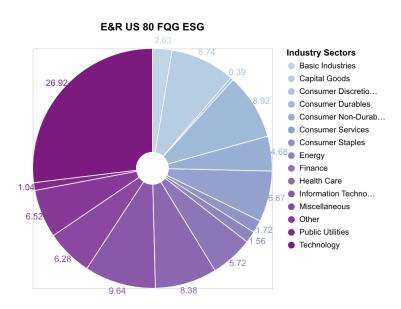
Exceptional & Rich US 80 FQG ESG Index [E&R US 80 FQG ESG] has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the S&P 500 SPDR, which is widely regarded as the best single gauge of large-cap US equities. Unlike market capitalization methodology which is risk-increasing and return-reducing owing to its concentration, the E&R is designed to own 80 large-cap US equities, and deliver higher risk-weighted excess returns while maintaining low tracking error vs. the S&P 500 SPDR.

#### Methodology

The methodology is based on a modern science innovation, which uses Reversion-Divergence framework to dynamically score, weight and rebalance components in a group to deliver higher risk-weighted excess returns. The method removes the conflict between Efficient and Inefficient market thinking, statistically normal and non-normal behavior, or in simple terms the conflict between Value and Growth investing. The methodology is not Size biased, and obviates the need for concentration and running after winners but rather adopts a slower weight readjustment compared to the S&P 500 SPDR.

### 1. Exceptional & Rich US 80 FQG ESG

### 1.1. Sector Breakdown (percentage)

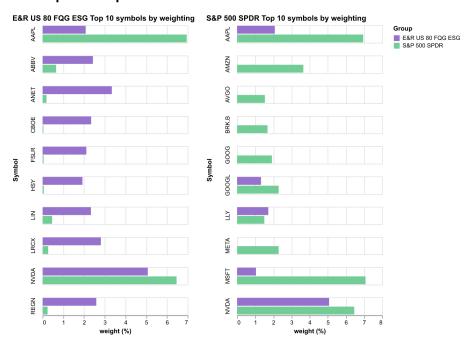


### 1.2. Top 10 Components

Nr./Symbol		Name	<b>Current Price</b>	P&L(%)	E&R US 80 FQG ESG Proportion(%)
1	NVDA	NVIDIA Corp	112.28	158.01	5.07
2	ANET	Arista Networks Inc	314.12	69.90	3.34
3	LRCX	Lam Research Corp	884.12	43.04	2.81
4	REGN	Regeneron Pharmaceuticals Inc	1064.19	31.66	2.59
5	ABBV	AbbVie Inc	182.17	23.56	2.43
6	CBOE	CBOE Global Markets Inc	187.05	18.96	2.34
7	LIN	Linde Plc	443.03	18.83	2.33
8	FSLR	First Solar Inc	216.23	29.69	2.11
9	AAPL	Apple Inc	217.49	28.20	2.08
10	HSY	HERSHEY CO/THE	192.67	-2.29	1.92

<sup>\*</sup>In case components hit maximum weight constraints they are rebalanced back to lower inception weights.

### 1.3. Top 10 Comparisons



## 1.4. Performance Plot Since January 2018



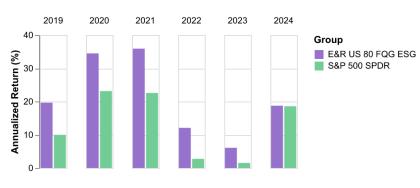
### 1.5. Performance Metrics

The table illustrates the performance across various parameters. The Performance (%) of Portfolio from different starting points, Current portfolio value of the funds invested at inception, Annualized (%) Returns, Annualized Standard Deviation (%), Average Tracking Error (%) and Average Information Ratio (%).

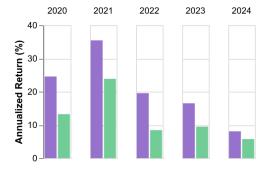
	Nr./Name	E&R US 80 FQG ESG	S&P 500 SPDR
1	Performance (%) since January 2019	220.85	115.43
2	Performance (%) since January 2020	130.61	67.07
3	Performance (%) since January 2022	20.15	12.71
4	Performance (%) since January 2024	11.07	13.28
5	Current Portfolio Value (Invested in January 2018)	331.74	199.06
6	Annualized (%) Return (Since January 2018)	20.05	11.06
7	Annualized Std. Deviation (%)	22.00	19.22
8	Average Tracking Error (%)	5.98	-
9	Average Information Ratio (%)	1.50	-

## 1.6. Annualized Rolling Return

#### 2YR Annualized Rolling Return

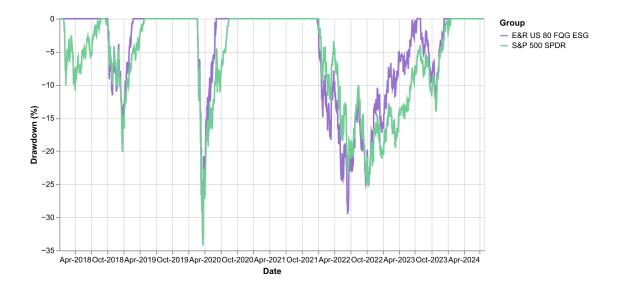


#### 3YR Annualized Rolling Return



## 1.7. Drawdown Analysis

A daily time series plot illustrating drawdowns of more than 10% from peak equity.



	Nr./Portfolio Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	1	1-Oct-18	25-Feb-19	-18.92	147
2	2	19-Feb-20	5-Jun-20	-33.39	107
3	3	27-Dec-21	13-Jul-23	-29.51	563
4	4	1-Aug-23	13-Dec-23	-13.27	134

	Nr./Benchmark Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	1	26-Jan-18	24-Aug-18	-10.87	210
2	2	20-Sep-18	26-Apr-19	-20.02	218
3	3	19-Feb-20	18-Aug-20	-34.29	181
4	4	3-Jan-22	19-Jan-24	-25.36	746

### **Bibliography**

- [1] Matia, Kaushik and Pal, Mukul and Stanley, H. Eugene and Salunkay, H., Scale-Dependent Price Fluctuations for the Indian Stock Market. EuroPhysics Letters, Aug 2003
- [2] M. Pal, M. Shah, A. Mitroi, Temporal Changes in Shiller's Exuberance Data, SSRN, Feb 2011
- [3] M. Pal, Mean Reversion Framework, SSRN, May 2015
- [4] M. Pal, Markov and the Mean Reversion Framework, SSRN, May 2015
- [5] M. Pal, Momentum and Reversion, Aug 2015
- [6] M. Pal, What is Value, SSRN, Sep 2015
- [7] M. Pal, M. Ferent, Stock Market Stationarity, SSRN, Sep 2015
- [8] M. Pal, Reversion Diversion Hypothesis, SSRN, Nov 2015
- [9] M. Pal, How Physics Solved your wealth problem, SSRN, Oct 2016
- [10] M. Pal, Human AI, SSRN, Jul 2017
- [11] M. Pal, The Size Proxy, Aug 2017
- [12] M. Pal, The Beta Maths, SSRN, Mar 2017
- [13] Maureen, O. Bhattacharya, A. ETFs and Systematic Risk. CFA Research Institute, Jan 2020
- [14] M. Pal, [3N] model of life, SSRN, Apr 2021
- [15] M. Pal, The S&P 500 Myth, SSRN, Jul 2022
- [16] M. Pal, The Snowball Effect, SSRN, Jul 2022
- [17] M. Pal, Mechanisms of Psychology, SSRN, Jun 2022
- [18] M. Pal, The [3N] model of life, SSRN, Feb 2023
- [19] M. Pal, R. Fenesi, O.D. Cigan, A.G. Berciu, R.C. Tiric, F. Pal, D. Todor, E.H. Dulf, Revolutionizing Active Investing With Machine Learning, SSRN, Jan 2024
- [20] M. Pal, R.C. Tiric, F. Pal, Machine Beta, Statistical Factors, Non-Linear Mechanisms And The [3N] Methodology, SSRN, Jan 2024







#### This product is driven by AlphaBlock Research:

#### Mukul Pal

mukul@alphablock.org

#### Florina Pal

florina@alphablock.org

#### Bianca Bradea

bianca.bradea@alphablock.org

#### Ciprian Tiric

ciprian.tiric@alphablock.org

CONFIDENTIALITY NOTICE: The information contained in this communication is intended solely for the use of the individual or entity to whom it is addressed and others authorized toreceive it, It may contain confidential or legally privileged information. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or taking anyaction in reliance on the contents of this information is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us immediately byresponding to this email and then delete it from your system. We are neither liable for the proper and complete transmission of the information contained in this communication nor forany delay in its receipt.





