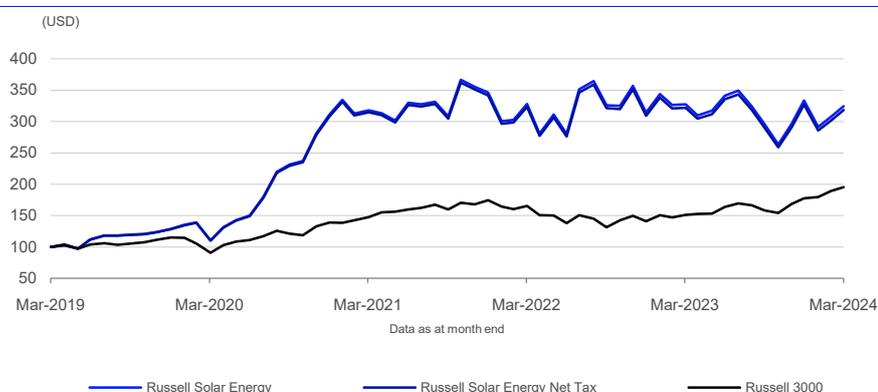


Russell Solar Energy Index

Data as at: 29 March 2024

The Russell Solar Energy Index is a liquidity-weighted multi-theme index based on the Russell 3000 Index which represents approximately 98% of the investable US equity market. The index employs natural language processing techniques in selecting constituents associated with the underlying themes. The index is designed to represent the performance of companies that research, develop, utilize, or provide product or services that related to solar energy.

5-Year Performance - Total Return



Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
Russell Solar Energy	-2.7	9.7	-2.7	-0.9	2.0	224.5	0.7	26.5	28.9	31.8	33.0
Russell Solar Energy Net Tax	-2.7	9.5	-2.7	-1.2	1.0	218.1	0.3	26.0	28.9	31.8	33.0
Russell 3000	10.0	23.3	10.0	29.3	32.3	95.4	9.8	14.3	11.9	17.6	19.0

* Compound annual returns measured over 3 and 5 years respectively

** Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

Year-on-Year Performance - Total Return

Index % (USD)	2019	2020	2021	2022	2023
Russell Solar Energy	54.7	142.0	11.3	-9.1	6.0
Russell Solar Energy Net Tax	54.0	140.8	10.8	-9.4	5.7
Russell 3000	31.0	20.9	25.7	-19.2	26.0

Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
Russell Solar Energy	0.1	0.0	0.8	-	-28.8	-33.8	-41.3	-
Russell Solar Energy Net Tax	0.1	0.0	0.8	-	-28.8	-34.0	-41.4	-
Russell 3000	2.7	0.6	0.8	0.8	-10.7	-25.1	-35.0	-35.0

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table

Drawdown - based on daily data

FEATURES

Objective

The indexes are designed for the creation of index tracking funds, derivatives and as a performance benchmark.

Investability

The index follows a liquidity weighting scheme with a weight cap mechanism to achieve an overall more diversified, better liquidity investable opportunity set.

Capping

Constituents are capped quarterly in March, June, September and December so that no more than 5% of the indexes weight may be allocated to a single constituent.

Liquidity

Stocks in the underlying universe are liquidity screened to ensure tradability.

Transparency

The index uses a transparent, rules-based construction process. Index methodologies are freely available on the FTSE Russell website.

Availability

The indexes are calculated based on price, total return, and net total return methodologies, and available end-of-day.

Industry Classification Benchmark (ICB)

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis.

Top 10 Constituents

Constituent	ICB Sector	Net MCap (USDm)	Wgt %
Encore Wire	Electronic & Electrical Equipment	91,070	5.55
Array Technologies	Alternative Energy	88,527	5.40
NRG Energy	Electricity	87,851	5.36
Constellation Energy	Electricity	85,417	5.21
Generac Holdings	Industrial Engineering	84,903	5.18
Quanta Services	Construction & Materials	84,594	5.16
Sunrun	Electricity	82,709	5.04
First Solar Inc	Alternative Energy	82,457	5.03
Smith (AO)	Construction & Materials	82,161	5.01
Public Svc Enterprise Group	Electricity	81,909	5.00
Totals		851,596	51.94

ICB Industry Breakdown

ICB Code	ICB Industry	No. of Cons	Net MCap (USDm)	Wgt %
0001	Oil & Gas	10	428,081	26.11
1000	Basic Materials	2	50,023	3.05
2000	Industrials	10	472,270	28.80
3000	Consumer Goods	1	79,020	4.82
6000	Telecommunications	1	1,908	0.12
7000	Utilities	10	492,596	30.04
8000	Financials	3	30,755	1.88
9000	Technology	2	84,974	5.18
Totals		39	1,639,627	100.00

Index Characteristics

Attributes	Russell Solar Energy
Number of constituents	39
Dividend Yield %	0.93
Constituent (Wgt %)	
Average	2.56
Largest	5.55
Median	1.90
Top 10 Holdings (Wgt %)	51.94

INFORMATION**Index Universe**

Russell 3000 Index

Index Launch

01 February 2023

Base Date

24 June 2018

Base Value

1000

Index Calculation

Available end-of-day

End-of-Day Distribution

Via FTP and email

Currency

USD, GBP, EUR, JPY, AUD, CNY, HKD, CAD

Review Dates

Annually in June

History

Available from June 2018

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