

FTSE Developed Asia Pacific Minimum Variance Indices

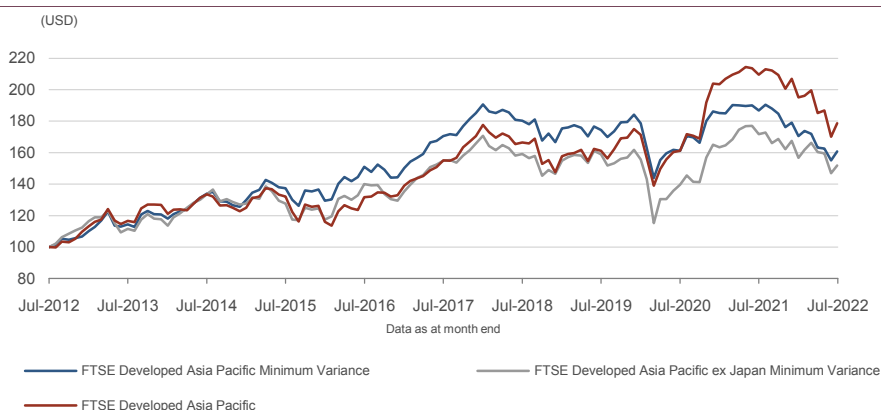
Data as at: 29 July 2022

The FTSE Global Minimum Variance Index Series aims to deliver reduced index volatility based on historical return information, thereby offering potential improvements to the risk reward trade-off, whilst maintaining full allocation to the relevant equity market.

Reduced volatility is achieved by applying a transparent rules-based approach which minimizes historical variance subject to additional constraints on the weight of individual stocks within an index, and, at aggregate level on the weight of countries and industries represented in the index.

Constituents are selected from the corresponding underlying universe of the FTSE All-World Index Series at the time of the bi-annual review and aspects such as index reviews and company classification are governed by the FTSE All-World Index Series Ground Rules.

10-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
FTSE Developed Asia Pacific Minimum Variance	-1.4	-5.7	-10.1	-13.9	-7.8	-5.7	-2.7	-1.2	11.5	15.1	12.5
FTSE Developed Asia Pacific ex Japan Minimum Variance	-5.3	-3.1	-9.3	-11.6	-4.5	-1.9	-1.5	-0.4	13.2	19.0	16.7
FTSE Developed Asia Pacific	-3.5	-8.5	-13.7	-14.8	10.8	15.2	3.5	2.9	15.8	18.6	15.2

* 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)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
FTSE Developed Asia Pacific Minimum Variance	14.5	13.0	4.2	8.8	5.6	28.3	-10.0	10.4	1.2	-3.9
FTSE Developed Asia Pacific ex Japan Minimum Variance	26.1	4.6	8.0	-2.0	3.9	28.2	-11.6	10.3	2.1	1.4
FTSE Developed Asia Pacific	16.3	15.7	-3.2	2.8	5.2	28.3	-13.4	18.6	16.4	1.5

FEATURES

Methodology

The approach applies a rules-based strategy to minimise volatility. Some constraints are applied, for example, to avoid over concentration in any particular stock, sector or country.

Objective

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

Investability

Stocks in the underlying universe are free-float weighted to ensure that only the investable opportunity set is included.

Liquidity

Stocks in the underlying universe are screened to ensure that the indices are tradable.

Transparency

Index rules are freely available on the FTSE website.

Availability

The indices are calculated based on price and total return methodologies, both real time and end-of-day.

Industry Classification Benchmark

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

Annualised Rolling 252 Volatility - Total Return



Top 10 Constituents - FTSE Developed Asia Pacific Minimum Variance Index

Constituent	Country	ICB Sector	FTSE Developed Asia Pacific Minimum Variance (Wgt %)	FTSE Developed Asia Pacific (Wgt %)	Diff %
Woolworths Group	Australia	Personal Care Drug and Grocery Stores	0.53	0.48	0.05
NetLink NBN Trust	Singapore	Telecommunications Service Providers	0.52	0.03	0.49
SoftBank	Japan	Telecommunications Service Providers	0.52	0.48	0.04
Coles Group	Australia	Personal Care Drug and Grocery Stores	0.51	0.25	0.26
Yakult Honsha	Japan	Food Producers	0.51	0.12	0.38
Nippon Prologis REIT	Japan	Real Estate Investment Trusts	0.49	0.09	0.40
Lion Corp	Japan	Personal Care Drug and Grocery Stores	0.47	0.04	0.43
NISSIN FOODS HOLDINGS	Japan	Food Producers	0.46	0.07	0.39
Telstra Corp	Australia	Telecommunications Service Providers	0.46	0.17	0.29
Yamazaki Baking	Japan	Food Producers	0.45	0.02	0.43
Totals			4.92	1.75	

Country Breakdown

Country	FTSE Developed Asia Pacific Minimum Variance		FTSE Developed Asia Pacific		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Australia	66	12.36	110	19.56	-7.20
Hong Kong	72	13.29	89	7.54	5.75
Japan	314	55.77	507	56.59	-0.82
Korea	53	7.12	163	12.32	-5.20
New Zealand	12	3.11	15	0.76	2.35
Singapore	36	8.34	37	3.22	5.12
Totals	553	100.00	921	100.00	

INFORMATION

Index Universe

FTSE Developed Asia Pacific Index

Index Launch

July 2012

Base Date

18 June 2012

Base Value

100

Investability Screen

Actual free float applied and liquidity screened

Index Calculation

Real time and end of day

End-of-Day Distribution

Via FTP and email

Currency

USD, Euro, GBP, JPY, AUD, Local

Review Dates

March and September

History

Available from September 2001

ICB Supersector Breakdown

ICB Code	ICB Supersector	FTSE Developed Asia Pacific Minimum Variance		FTSE Developed Asia Pacific		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
1010	Technology	38	4.14	85	12.89	-8.75
1510	Telecommunications	17	5.29	20	3.27	2.01
2010	Health Care	51	9.32	62	8.26	1.06
3010	Banks	32	4.99	43	10.07	-5.08
3020	Financial Services	17	2.29	33	3.26	-0.97
3030	Insurance	15	2.32	20	4.28	-1.96
3510	Real Estate	55	12.19	77	5.79	6.40
4010	Automobiles and Parts	7	0.57	37	6.57	-6.00
4020	Consumer Products and Services	32	4.49	59	5.74	-1.25
4030	Media	4	0.35	11	0.41	-0.05
4040	Retailers	18	3.26	28	2.35	0.91
4050	Travel and Leisure	22	3.74	40	2.02	1.73
4510	Food Beverage and Tobacco	45	11.32	51	2.80	8.51
4520	Personal Care Drug and Grocery Stores	28	7.66	30	2.27	5.39
5010	Construction and Materials	18	2.24	40	2.22	0.01
5020	Industrial Goods and Services	81	12.44	163	16.00	-3.56
5510	Basic Resources	16	2.01	37	4.95	-2.94
5520	Chemicals	23	1.88	42	2.93	-1.05
6010	Energy	10	2.37	15	2.03	0.35
6510	Utilities	24	7.14	28	1.88	5.26
Totals		553	100.00	921	100.00	

Index Characteristics

Attributes	FTSE Developed Asia Pacific Minimum Variance	FTSE Developed Asia Pacific ex Japan Minimum Variance
Number of constituents	553	230
Dividend Yield %	3.09	4.00
Constituent (Wgt %)		
Average	0.18	0.43
Largest	0.53	1.62
Median	0.16	0.34
Top 10 Holdings (Wgt %)	4.92	13.66

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