

BlueStar[®] Hydrogen and NextGen Fuel Cell Index

The BlueStar[®] Hydrogen and NextGen Fuel Cell Index (BHDRO) tracks the performance of the largest and the most liquid companies in the global hydrogen and fuel cell industries. This is a modified market cap-weighted index, and includes companies that generate a primary source of their revenue or potential revenue from hydrogen production and fuel cells. BHDRO covers at least 95% of the investable universe.

Key Features



All Time High/Low **52-Week High/Low**

Total Return Net Index 296.49/67.07 138.58/67.07

Size and Liquidity Requirements

Full MCap of at least 150 mln USD. Three month average-daily-trading volume of at least 1 mln USD at a review and also at the previous two reviews. At least 250,000 shares traded per month over the last six months at a review and also at the previous two reviews.

Universe

Companies have to derive 50% or revenue or operating activity from hydrogen energy or fuel cell projects (exceptions possible).

Diversification

Maximum weight of 10%.

Review

Quarterly.

Index Data

INDEX PARAMETERS

Launch Date	09 Mar 2021	Components	25
Type	Sector	Volatility (250 days)	45.78
Currency	USD	Full MCap bn USD	340.59
Base Date	19 Jun 2020	Float MCap bn USD	275.27
Base Value	100.00	Correlation* (250 days)	0.85

* S&P Global Clean Energy

FUNDAMENTALS*

Price/Earnings Trailing	-19.14
Price/Book	2.39
Price/Sales	5.81
Price/Cash Flow	22.02
Dividend Yield	0.33

* as of 31 Jan 2023

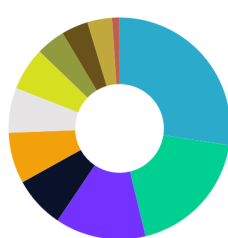
ANNUALISED PERFORMANCE*

1 Month	15.36%
1 Year	-22.09%
3 Years	-
5 Years	-
7 Years	-4.98%

* Total Return Net Index

Country and Size Weightings

Country	Count	Weight
United States	5	27.43%
South Korea	5	18.79%
United Kingdom	3	13.20%
France	2	7.53%
Norway	2	7.43%
Canada	2	6.54%
Sweden	2	6.28%
Italy	1	4.23%
Germany	1	3.92%
Ireland	1	3.56%
Japan	1	1.09%



■ US
■ KR
■ GB
■ FR
■ NO
■ CA
■ SE
■ IT
■ DE
■ IE
■ JP



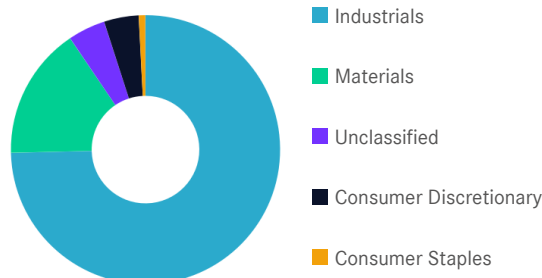
■ Large-Cap
■ Mid-Cap
■ Small-Cap
■ Micro-Cap

Size	Count	Weight
Large-Cap (> 6 bn)	5	19.59%
Mid-Cap (1.5 bn - 6 bn)	6	35.33%
Small-Cap (0.2 bn - 1.5 bn)	9	35.72%
Micro-Cap (0.0 bn - 0.2 bn)	5	9.36%

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Sector Weightings

Sector	Count	Weight
Industrials	17	74.63%
Materials	5	15.91%
Unclassified	1	4.49%
Consumer Discretionary	1	4.16%
Consumer Staples	1	0.81%



Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
PLUG POWER INC	US	7.91%	ITM POWER PLC	26.71%	5.97%
NEL ASA	NO	7.01%	CERES POWER HOLDINGS PLC	40.78%	4.92%
CERES POWER HOLDINGS PLC	GB	6.63%	NEL ASA	30.03%	4.11%
BLOOM ENERGY CORP	US	6.57%	CELL IMPACT AB	8.10%	3.59%
BALLARD POWER SYSTEMS INC	CA	6.07%	FIRST HYDROGEN CORP	-10.07%	3.41%
FUELCELL ENERGY INC.	US	6.02%			
POWERCELL SWEDEN AB	SE	5.83%			
DOOSAN FUEL CELL CO LTD	KR	5.43%			
ITM POWER PLC	GB	5.05%			
BUMHAN FUEL CELL CO LTD	KR	4.49%			
SOL SPA	IT	4.23%			
ILJIN HYSOLUS CO LTD	KR	4.16%			
Subtotal		69.40%			

Worst Performing Components	YTD	1 Day
AFC ENERGY PLC	41.00%	-11.55%
FUELCELL ENERGY INC.	33.45%	-3.64%
ADVENT TECHNOLOGIES HOLDINGS INC	5.52%	-3.05%
SFC ENERGY AG	-0.11%	-2.44%
ILJIN HYSOLUS CO LTD	12.11%	-2.15%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Index	BHDRO	DE000SLOCSA2	SLOCSA	BKSCWZ6	BHDRO	.BHDRO	599 18170
Total Return Net	BHDRONTR	DE000SLOCSB0	SLOCSB	BKSCWY5	BHDRONTR	.BHDRONTR	599 18347
Total Return Gross	BHDROTR	DE000SLOCSC8	SLOCSC	BKSCWX4	BHDROTR	.BHDROTR	599 18349

For further information visit www.marketvector.com

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