



TAN Invesco Solar ETF

As of Dec. 31, 2018

Fund Description

The Invesco Solar ETF (Fund) is based on the MAC Global Solar Energy Index (Index). The Fund will invest at least 90% of its total assets in the securities, American depository receipts (ADRs) and global depository receipts (GDRs) that comprise the Index. The Index is comprised of companies in the solar energy industry. The index is computed using the net return, which withholds applicable taxes for non-resident investors. The Fund and the Index are rebalanced quarterly.

Fund Data

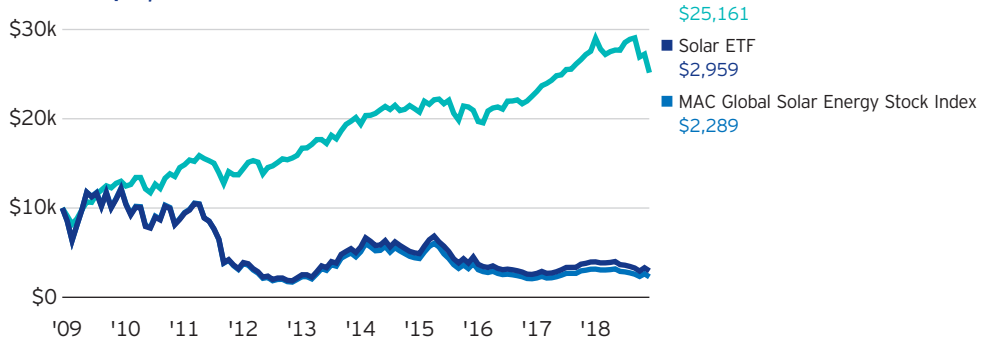
Solar ETF	TAN
Intraday NAV (IIV)	TANIV
Number of Securities	23
CUSIP	46138G706
Listing Exchange	NYSE Arca
30-Day SEC Yield	1.02%
30-Day SEC Unsubsidized Yield	1.02%
Total Expense Ratio	0.74%
Net Expense Ratio	0.70%

The Adviser has contractually agreed to waive fees and/or pay certain Fund expenses through at least December 31, 2020.

Underlying Index Data

MAC Global Solar Energy Stock	SUNIDX
Index Provider	MAC Indexing, LLC

Growth of \$10,000



Data beginning 10 years prior to the ending date of Dec. 31, 2018. Fund performance shown at NAV.

Fund Performance & Index History (%)

	1 year	3 year	5 year	10 year	Fund Inception
Underlying Index					
MAC Global Solar Energy Stock Index	-27.23	-15.40	-12.78	-13.71	-21.24
Benchmark Index					
MSCI World Index	-8.71	6.30	4.56	9.67	4.59
Fund					
NAV	-25.16	-13.14	-10.02	-11.47	-19.38
Market Price	-25.94	-13.41	-10.16	-11.87	-19.44

Returns less than one year are cumulative. Performance data quoted represents past performance. Past performance is not a guarantee of future results; current performance may be higher or lower than performance quoted. Investment returns and principal value will fluctuate and Shares, when redeemed, may be worth more or less than their original cost. See invesco.com to find the most recent month-end performance numbers. Market returns are based on the midpoint of the bid/ask spread at 4 p.m. ET and do not represent the returns an investor would receive if shares were traded at other times. Fund performance reflects fee waivers, absent which, performance data quoted would have been lower.

As the result of a reorganization on May 18, 2018, the returns presented reflect performance of the Guggenheim predecessor fund. Invesco is not affiliated with Guggenheim.

10-Year Index Statistics

	Alpha	Beta	Correlation	Sharpe Ratio	Volatility (%)
MAC Global Solar Energy Stock Index	-	-	-	-0.34	41.82
MSCI World Index	-23.04	1.99	0.69	0.65	14.39

Fund Inception: April 15, 2008

Shares are not FDIC insured, may lose value and have no bank guarantee.

Index returns do not represent Fund returns. An investor cannot invest directly in an index.

Neither the underlying Index nor the benchmark indexes charge management fees or brokerage expenses, and no such fees or expenses were

deducted from the performance shown; nor do any of the indexes lend securities, and no revenues from securities lending were added to the performance shown. In addition, the results actual investors might have achieved would have differed from those shown because of differences in the timing, amounts of their investments, and fees and expenses associated with an investment in the Fund.

The MSCI World Index is an unmanaged index

considered representative of stocks of developed countries. The index is computed using the net return, which withholds applicable taxes for non-resident investors.

Shares are not individually redeemable and owners of the Shares may acquire those Shares from the Fund and tender those Shares for redemption to the Fund in Creation Unit aggregations only, typically consisting of 80,000 Shares.

As of Dec. 31, 2018

Top Fund Holdings (%)	
Name	Weight
First Solar	9.79
Xinyi Solar Holdings	7.81
SolarEdge Technologies	7.59
Sunrun	5.37
GCL-Poly Energy	5.13
Meyer Burger Technology	4.67
Scatec Solar	4.32
Atlantica Yield	4.28
Capital Stage	4.21
TerraForm Power	4.20

Please see the website for complete holdings information. Holdings are subject to change.

Annual Index Performance (%)		MAC Global Solar Energy Stock Index	MSCI World Index
2009		22.38	29.99
2010		-28.12	11.76
2011		-64.65	-5.54
2012		-35.66	15.83
2013		126.60	26.68
2014		-2.35	4.94
2015		-14.62	-0.87
2016		-45.00	7.51
2017		51.28	22.40
2018		-27.23	-8.71

Fund Details	
P/B Ratio	1.25
P/E Ratio	-2710.26
Return on Equity	-23.20%
Weighted Market Cap (\$MM)	1,419

Fund Country Allocations (%)	
United States	42.91
China	27.99
Spain	8.41
Germany	7.88
Switzerland	4.67
Norway	4.32
Canada	3.82

Fund Market-Cap Allocations (%)	
Large-Cap Blend	-
Large-Cap Growth	-
Large-Cap Value	-
Mid-Cap Blend	6.37
Mid-Cap Growth	-
Mid-Cap Value	24.47
Small-Cap Blend	21.06
Small-Cap Growth	35.75
Small-Cap Value	12.35

Fund Sector Allocations (%)	
Communication Services	-
Consumer Discretionary	-
Consumer Staples	-
Energy	-
Financials	-
Health Care	-
Industrials	13.91
Information Technology	55.38
Materials	3.20
Real Estate	3.65
Utilities	23.86

About risk

The performance of an investment concentrated in issuers of a certain region or country, is expected to be closely tied to conditions within that region and to be more volatile than more geographically diversified investments.

Stocks of micro-cap companies tend to involve substantially greater risks of loss and price fluctuations than more established companies.

Depository receipts involve many of the same risks as a direct investment in foreign securities, and issuers of certain depository receipts are under no obligation to distribute shareholder communications to the holders or to pass through to them any voting rights with respect to the deposited securities.

Investments focused in a particular sector, such as information technology and utilities, are subject to greater risk, and are more greatly impacted by market volatility, than more diversified investments.

There are risks involved with investing in ETFs, including possible loss of money. Shares are not actively managed and are subject to risks similar to those of stocks, including those regarding short selling and margin maintenance requirements. Ordinary brokerage commissions apply. The Fund's return may not match the return of the Underlying Index. The Fund is subject to certain other risks. Please see the current prospectus for more information regarding the risk associated with an investment in the Fund.

The Fund is non-diversified and may experience greater volatility than a more diversified investment.

The risks of investing in securities of foreign issuers can include fluctuations in foreign currencies, political and economic instability, and foreign taxation issues.

Stocks of small and mid-sized companies tend to be more vulnerable to adverse developments, may be more volatile, and may be illiquid or restricted as to resale.

The **Intraday NAV** is a symbol representing estimated fair value based on the most recent intraday price of underlying assets. **Volatility** is the annualized standard deviation of index returns. **Beta** is a measure of relative risk and the slope of regression. **Sharpe Ratio** is a risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk. A higher Sharpe Ratio indicates better risk-adjusted performance. **Correlation** indicates the degree to which two investments have historically moved in the same direction and magnitude. **Alpha** is a measure of performance on a risk-adjusted basis. **Weighted Harmonic Average Stock Price-to-Earnings Ratio (P/E Ratio)** is the share price divided by earnings per share. It is measured on a 12-month trailing basis. **Weighted Harmonic Average Stock Price-to-Book-Value Ratio (P/B Ratio)** is the ratio of a stock's market price to a company's net asset value. **Weighted Harmonic Average** is a method of calculating an average value that lessens the impact of large outliers and increases the impact of small ones. **Weighted Average Return on Equity** is net income divided by net worth. **Weighted Market Capitalization** is the sum of each underlying securities' market value. The **30-Day SEC Yield** is based on a 30-day period and is computed by dividing the net investment income per share earned during the period by the maximum offering price per share on the last day of the period. The **30-Day SEC Unsubsidized Yield** reflects the 30-day yield if the investment adviser were not waiving all or part of its fee or reimbursing the fund for part of its expenses. Total return would have also been lower in the absence of these temporary reimbursements or waivers.

Typically, security classifications used in calculating allocation tables are as of the last trading day of the previous month.

The Global Industry Classification Standard was developed by and is the exclusive property and a service mark of MSCI, Inc. and Standard & Poor's.

The fund is not sponsored, endorsed, sold or promoted by MAC Indexing LLC ("licensor"). Licensor makes no representation or warranty, express or implied, regarding the advisability of investing in securities generally or in the fund particularly or the ability of the index to track general market performance. Licensor's only relationship to the licensee is the licensing of the index which is determined, composed and calculated by licensor without regard to the licensee or the product. Licensor has no obligation to take the needs of the licensee or the owners of the fund into consideration in determining & composing or calculating the index. Licensor shall not be liable to any person for any error in the index nor shall it be under any obligation to advise any person of any error therein.

This does not constitute a recommendation of any investment strategy or product for a particular investor. Investors should consult a financial professional before making any investment decisions.

Before investing, investors should carefully read the prospectus and consider the investment objectives, risks, charges and expenses. For this and more complete information about the fund, investors should ask their advisor(s) for a prospectus or download one at invesco.com

Note: Not all products available through all firms or in all jurisdictions.