



# PPA Invesco Aerospace & Defense ETF

As of June 30, 2019

## Fund Description

The Invesco Aerospace & Defense ETF (Fund) is based on the SPADE™ Defense Index (Index). The Fund will normally invest at least 90% of its total assets in common stocks that comprise the Index. The Index is designed to identify a group of companies involved in the development, manufacturing, operations and support of US defense, homeland security and aerospace operations. The Fund and the Index are rebalanced and reconstituted quarterly.

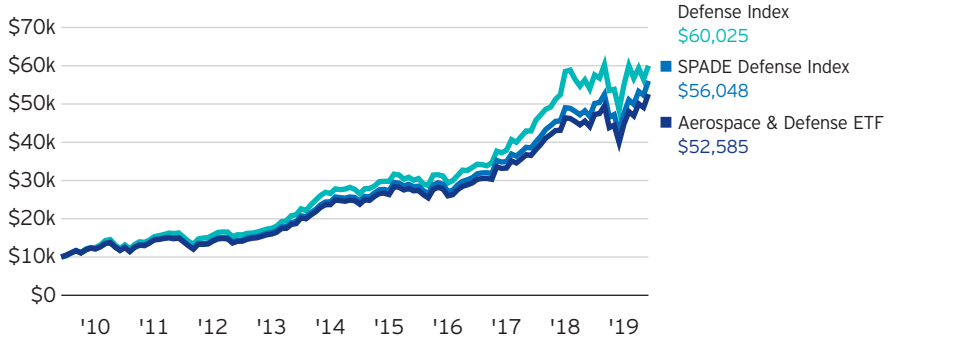
## Fund Data

Aerospace & Defense ETF	PPA
Intraday NAV (IIV)	PPAIV
Number of Securities	49
CUSIP	46137V100
Listing Exchange	NYSE Arca
30-Day SEC Yield	0.79%
30-Day SEC Unsubsidized Yield	0.79%
Total Expense Ratio	0.60%

## Underlying Index Data

SPADE Defense	DXS
Index Provider	SPADE Indexes, LLC

## Growth of \$10,000



Data beginning 10 years prior to the ending date of June 30, 2019. Fund performance shown at NAV.

## Fund Performance & Index History (%)

	YTD	1 year	3 year	5 year	10 year	Fund Inception
<b>Underlying Index</b>						
SPADE Defense Index	32.04	19.87	22.17	17.01	18.81	13.24
<b>Benchmark Index</b>						
S&P Composite 1500 Aerospace & Defense Index	23.94	11.22	21.55	16.74	19.63	14.21
<b>Fund</b>						
NAV	31.62	19.19	21.44	16.30	18.06	12.52
Market Price	32.37	19.13	21.48	16.30	18.04	12.53

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](http://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.

## 10-Year Index Statistics

	Alpha	Beta	Correlation	Sharpe Ratio	Volatility (%)
SPADE Defense Index	-	-	-	1.19	15.35
S&P Composite 1500 Aerospace & Defense Index	0.76	0.92	0.96	1.19	16.14

Alpha, beta and correlation are that of the underlying index.

## Fund Inception: Oct. 26, 2005

**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.

Fund performance figures include the reinvestment of dividends, but the return figures for the respective underlying Index do not. As a result, Fund performance returns may appear to be more favorable when compared to the underlying Index's returns.

The S&P Composite 1500 Aerospace and Defense

(S&P Aerospace & Defense) Index consists of all aerospace and defense stocks included in the S&P Composite 1500 Index.

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

**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 50,000 Shares.**

As of June 30, 2019

Top Fund Holdings (%)	
Name	Weight
Lockheed Martin	7.35
Honeywell	7.28
United Technologies	7.28
Boeing	7.08
Northrop Grumman	5.52
General Dynamics	5.26
Raytheon	4.91
Ball	4.16
TransDigm	3.94
Harris	3.83

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

## Annual Index Performance (%)

	SPADE Defense Index	S&P Composite 1500 Aerospace & Defense Index
2009	24.07	23.51
2010	11.39	15.83
2011	-1.00	4.59
2012	18.62	14.54
2013	50.80	55.63
2014	13.46	10.72
2015	4.89	4.65
2016	19.96	19.45
2017	30.81	40.69
2018	-6.84	-7.61
2019 YTD	32.04	23.94

## Fund Details

P/B Ratio	4.51
P/E Ratio	21.26
Return on Equity	259.14%
Weighted Market Cap (\$MM)	54,327

## Fund Subindustry Allocations (%)

Aerospace & Defense	69.97
IT Consulting & Other Services	8.63
Industrial Conglomerates	7.28
Metal & Glass Containers	4.16
Construction & Engineering	2.52
Electronic Equipment & Instruments	1.98
Industrial Machinery	1.47
Construction Machinery & Heavy Trucks	1.27
Communications Equipment	1.17
Systems Software	0.62

## Fund Market-Cap Allocations (%)

Large-Cap Blend	45.20
Large-Cap Growth	8.00
Large-Cap Value	6.46
Mid-Cap Blend	14.95
Mid-Cap Growth	16.96
Mid-Cap Value	0.87
Small-Cap Blend	1.62
Small-Cap Growth	2.84
Small-Cap Value	3.09

## Fund Sector Allocations (%)

Communication Services	0.56
Consumer Discretionary	-
Consumer Staples	-
Energy	-
Financials	-
Health Care	-
Industrials	82.87
Information Technology	12.40
Materials	4.16
Real Estate	-
Utilities	-

## About risk

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.

Investments focused in a particular industry, such as aerospace and defense, are subject to greater risk, and are more greatly impacted by market volatility, than more diversified investments.

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

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 30-day 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.

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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](https://www.invesco.com)**

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