



# Active ETF Guide Q4-2024

## Exchanging passive for active?





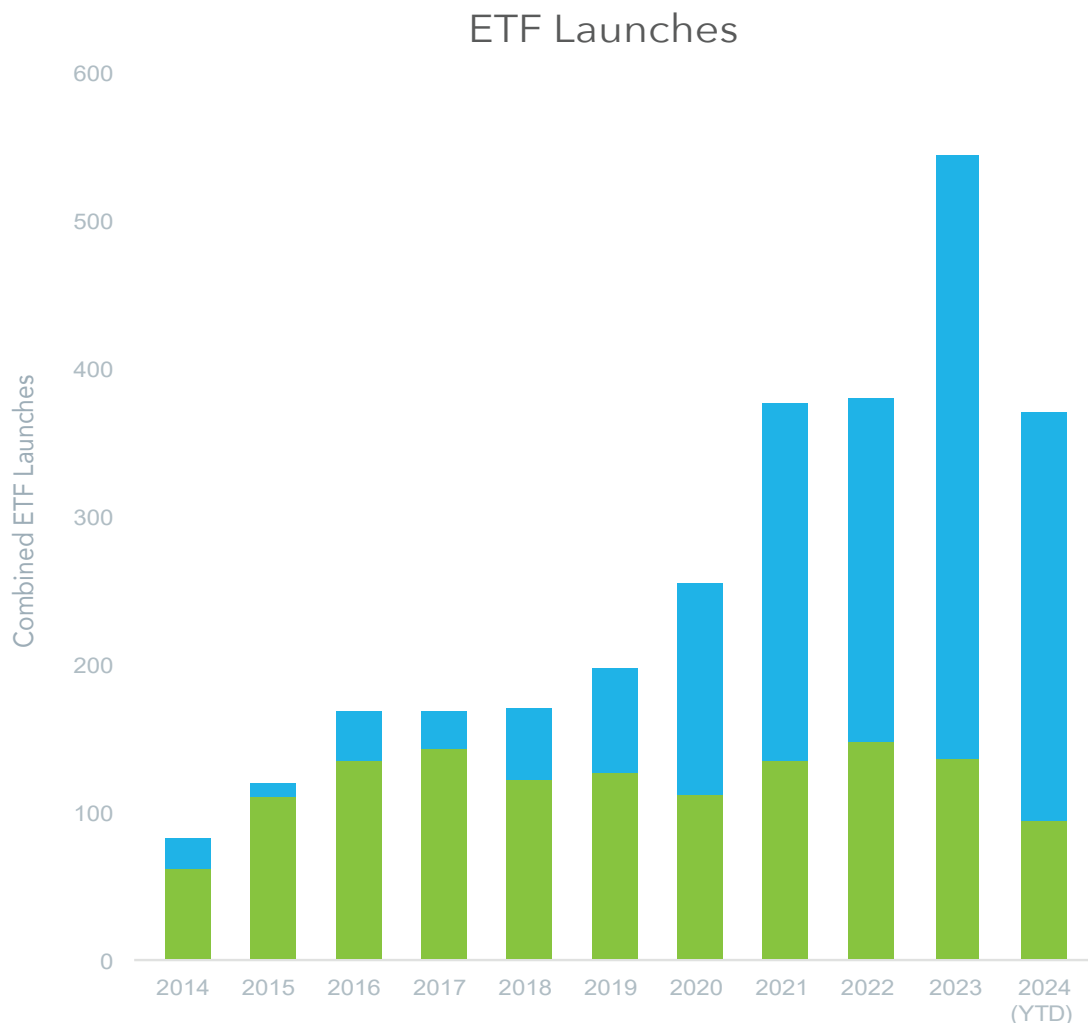
# Number of Active ETFs Continues to Grow

Active ETF launch activity has accelerated over the last few years

ETF Launches per Year

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (YTD)
21	9	34	26	49	71	142	242	232	409	276
61	110	134	143	121	126	112	134	148	136	94

■ Actively Managed ■ Passively Managed



Source: Morningstar as of 09/30/2024

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM	CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
<b>Commodity</b>	First Trust Alt Absolute Return Strtgy	FAAR	0.95%	114.8 M	<b>Fixed Income</b>	BlackRock HY Muni Inc Bond	HYMU	0.34%	217.7 M
	First Trust Intl Tactical Commdty Strtgy	FTGC	0.95%	2.2 B		BlackRock Total Return	BRTR	0.37%	112.7 M
	First Trust Morningstar Mngd Futrs Strtg	FMF	0.95%	238.0 M		BNY Mellon High Yield Beta	BKHY	0.22%	332.7 M
	GS Connect S&P GSCI Enh Comm TotRet	GSC	0.75%	99.3 M		Capital Group Core Bond	CGCB	0.27%	1.3 B
	iM DBi Managed Futures Strategy	DBMF	0.85%	973.1 M		Capital Group Core Plus Income	CGCP	0.34%	3.5 B
	Invesco Opt Yld Div Cmmnty	PDBC	0.51%	4.6 B		Capital Group Municipal Income	CGMU	0.27%	2.4 B
	Neuberger Berman Commodity Stgy	NBCM	0.66%	242.1 M		Capital Group Short Dur Muncpl Inc	CGSM	0.25%	468.2 M
	PIMCO Commodity Strategy Act Exc-Trd Fd	CMDT	0.64%	307.9 M		Capital Group Short Duration Income	CGSD	0.25%	735.4 M
	WisdomTree Continuous Commodity	GCC	0.55%	131.3 M		Capital Group U.S. Multi-Sector Inc	CGMS	0.39%	1.5 B
	WisdomTree Managed Futures Strategy	WTMF	0.65%	202.2 M		ClearShares Piton Intermediate Fixed Income	PIFI	0.45%	101.1 M
<b>Currency</b>	ProShares Bitcoin Strategy	BITO	0.95%	1.8 B	ClearShares Ultra-Short Maturity	OPER	0.20%	130.3 M	
	SPDR Galaxy Hdg Dglt Ast Ecosystem	HECO	0.90%	111.9 M	Dimensional California Municipal Bd	DFCA	0.19%	329.6 M	
	WisdomTree Bloomberg U.S. Dollar Bullish	USDU	0.50%	197.8 M	Dimensional Core Fixed Income	DFCF	0.17%	5.6 B	
<b>Emerging Markets Stocks</b>	Avantis Emerging Markets Equity	AVEM	0.33%	7.1 B	Dimensional Global Core Pls Fxd Inc	DFGP	0.22%	968.2 M	
	Avantis Emerging Markets Value	AVES	0.36%	536.5 M	Dimensional Global Credit	DGCB	0.20%	425.7 M	
	Cambria Emrg Shareholder Yield	EYLD	0.63%	471.7 M	Dimensional Global ex US Cor Fxd Inc	DFGX	0.20%	503.8 M	
	Dimensional Emerging Core Equity Market	DFAE	0.35%	4.9 B	Dimensional Global Sstby Fxd Inc	DFSB	0.24%	360.3 M	
	Dimensional Emerging Markets Cr Eq 2	DFEM	0.38%	4.4 B	Dimensional Inflation-Protected Securities	DFIP	0.11%	784.0 M	
	Dimensional Emerging Markets Hg Pbly	DEHP	0.40%	209.7 M	Dimensional National Municipal Bond	DFNM	0.17%	1.4 B	
	Dimensional Emerging Markets Value	DFEV	0.42%	760.1 M	Dimensional Short-Duration Fixed Income	DFSD	0.16%	3.5 B	
	Dimensional Emerging Mrkts Sstby Cr 1	DFSE	0.40%	322.1 M	Dimensional Ultrashort Fixed Income	DUSB	0.15%	713.7 M	
	Dimensional International Sstby Cr 1	DFSI	0.24%	528.7 M	DoubleLine Commercial Real Estate	DCRE	0.39%	213.4 M	
	Global X Emerging Markets Bond	EMBD	0.39%	193.4 M	DoubleLine Mortgage	DMBS	0.39%	329.8 M	
	Global X Emrgng Mkts Great Consmr	EMC	0.75%	145.1 M	DoubleLine Opportunistic Bond	DBND	0.50%	338.6 M	
	Innovator MSCI Emngn Mrkts Pwr Buffr Jan	EJAN	0.89%	132.8 M	Eaton Vance Floating-Rate	EVLN	0.60%	1.1 B	
	iShares MSCI Frontier 100	FM	0.79%	212.3 M	Eaton Vance Short Dur Muncpl Inc	EVSM	0.19%	144.3 M	
	JPMorgan Emerging Markets Equity Core	JEMA	0.33%	1.1 B	Eaton Vance Short Duration Income	EVSD	0.24%	177.3 M	
	Main International	INTL	0.64%	117.9 M	Eaton Vance Total Return Bond	EVTR	0.32%	711.2 M	
	WisdomTree Emrg Mkts Qlty Divd Grwth	DGRE	0.32%	146.3 M	<b>Federated Hermes Short Duration Corporate</b>	<b>FCSH</b>	0.29%	28.1 M	
	<b>Fixed Income</b>	AB High Yield	HYFI	0.40%	154.6 M	<b>Federated Hermes Short Duration HY</b>	<b>FHYS</b>	0.50%	26.4 M
AB Short Duration High Yield		SYFI	0.40%	660.0 M	<b>Federated Hermes Total Return Bond</b>	<b>FTRB</b>	0.37%	245.2 M	
AB Tax-Aware Short Duration		TAFI	0.27%	589.8 M	Fidelity CrpBd	FCOR	0.36%	235.8 M	
AB Ultra Short Income		YEAR	0.25%	1.2 B	Fidelity High Yield Factor	FDHY	0.45%	341.4 M	
ActivePassive Core Bond		APCB	0.35%	741.6 M	Fidelity Investment Grade Bond	FIGB	0.36%	136.9 M	
ActivePassive Intermediate Mcpl Bd		APMU	0.35%	143.1 M	Fidelity Investment Grade Securitized	FSEC	0.36%	608.2 M	
AdvisorShares Pacific Asset Enh FltgRate		FLRT	0.60%	386.1 M	Fidelity Limited Term Bd	FLT B	0.25%	167.5 M	
Alpha Architect 1-3 Month Box		BOXX	0.19%	4.0 B	Fidelity Low Duration Bond	FLDB	0.20%	375.9 M	
ALPS Smith Core Plus Bond		SMTH	0.59%	974.2 M	Fidelity Total Bd	FBND	0.36%	12.5 B	
American Century Dvrs Corp Bd		KORP	0.29%	336.8 M	First Trust California Muni Hi-Inc	FCAL	0.60%	257.8 M	
American Century Multisector Income		MUSI	0.35%	187.4 M	First Trust Emrg Mkts Local Curr Bd	FEMB	0.85%	201.5 M	
Amern Century Divers Muncpl Bd		TAXF	0.29%	486.5 M	First Trust Enh Short Maturity	FTSM	0.35%	6.2 B	
Amplify Samsung SOFR		SOFR	0.20%	251.7 M	First Trust Intermediate DurlnvGrdCp	FIIG	0.65%	359.3 M	
Anfield Universal Fixed Income		AFIF	1.06%	104.8 M	First Trust Lmtd Dur Inv Grade Corp	FSIG	0.45%	1.2 B	
Angel Oak High Yield Opportunities		AOHY	0.56%	107.2 M	First Trust Long Duration Opp new	LGOV	0.65%	627.6 M	
Angel Oak Income		CARY	0.79%	302.9 M	First Trust Low Dur Strat Foc	LDSF	0.20%	127.4 M	
Angel Oak UltraShort Income		UYLD	0.29%	622.3 M	First Trust Low Duration Opportunities	LMBS	0.64%	4.6 B	
Aptus Enhanced Yield		JUCY	0.59%	351.9 M	First Trust Managed Municipal	FMB	0.60%	2.0 B	
Avantis Core Fixed Income		AVIG	0.15%	912.4 M	First Trust Municipal High Income	FMHI	0.65%	737.0 M	
Avantis Core Municipal Fixed Income		AVMU	0.15%	146.7 M	First Trust Senior Loan	FTSL	0.85%	2.2 B	
Avantis Short-Term Fixed Income		AVSF	0.15%	441.2 M	First Trust Short Dur Mgd Muncpl	FSMB	0.49%	407.2 M	
BlackRock AAA CLO		CLOA	0.20%	506.8 M	First Trust Tactical HY	HYLS	1.01%	1.6 B	
BlackRock Flexible Income		BINC	0.38%	5.8 B	First Trust TCW Opportunistic Fixed Inc	FIXD	0.62%	5.5 B	
BlackRock High Yield		BRHY	0.45%	102.9 M	First Trust TCW Unconstrained Pls Bd	UCON	0.82%	3.1 B	

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Fixed Income	First Trust Ultra Short Dur Muncpl	FUMB	0.39%	197.2 M	Fixed Income	OneAscent Core Plus Bond	OACP	0.77%	167.8 M
	FlexShares Core Select Bd	BNDC	0.25%	169.0 M		Panagram BBB-B Clo	CLOZ	0.50%	478.8 M
	FlexShares Ready Access Variable Inc	RAVI	0.25%	1.1 B		PGIM AAA CLO	PAAA	0.19%	565.2 M
	Franklin Income Focus	INCM	0.38%	336.7 M		PGIM Active High Yield Bond	PHYL	0.39%	149.8 M
	Franklin Liberty High Yield Corp	FLHY	0.40%	576.8 M		PGIM Total Return Bond	PTRB	0.49%	304.3 M
	Franklin Liberty Interm Muni Oppos	FLMI	0.30%	332.2 M		PGIM Ultra Short Bond	PULS	0.15%	8.1 B
	Franklin Liberty Intl Aggt Bd	FLIA	0.25%	586.9 M		PIMCO Active Bd Exch-Trd	BOND	0.58%	4.9 B
	Franklin Liberty Invsmt Grade Corp	FLCO	0.35%	575.2 M		PIMCO Enhanced Short Maturity Active	MINT	0.35%	11.8 B
	Franklin Liberty Muni Bd	FLMB	0.30%	106.7 M		PIMCO Enhcd Short Mat Active ESG	EMNT	0.24%	161.8 M
	Franklin Liberty Senior Loan	FLBL	0.45%	584.4 M		PIMCO Interm Muni Bd Active Exch-Trd	MUNI	0.35%	1.7 B
	Franklin Liberty Short Duration US Govt	FTSD	0.24%	156.4 M		PIMCO Low Duration Active Exch-Trd	LDUR	0.50%	848.7 M
	Franklin Liberty U.S. Treasury Bond	FLGV	0.09%	873.3 M		PIMCO Multisector Bond Active	PYLD	0.55%	1.8 B
	Franklin Liberty US Core Bond	FLCB	0.15%	2.4 B		PIMCO Muni Inc Opps Active	MINO	0.39%	211.2 M
	Goldman Sachs Access Ultra Short Bd	GSST	0.16%	677.1 M		PIMCO ShtTrm Municipal Bd Active	SMMU	0.35%	632.8 M
	Guggenheim Enh Short Duration	GSY	0.23%	2.3 B		PIMCO Sr Ln Actv	LONZ	0.61%	594.1 M
	Guggenheim Total Return Bd	GTO	0.25%	1.7 B		PIMCO Ultra Short Government Active	BILZ	0.14%	475.4 M
	Harbor Scientific Alpha High-Yield	SIHY	0.48%	131.6 M		Putnam ESG Core Bond	PCRB	0.34%	678.8 M
	Hartford Core Bond	HCRB	0.29%	275.6 M		Putnam ESG High Yield	PHYD	0.53%	160.9 M
	Hartford Municipal Opportunities	HMOP	0.29%	463.2 M		Putnam ESG Ultra Short	PULT	0.25%	104.8 M
	Hartford Schroders Tax-Aware Bond	HTAB	0.39%	410.3 M		Quadratic Intrst Rt Vol & Infl H	IVOL	1.00%	692.1 M
	Hartford Total Return Bond	HTRB	0.29%	1.8 B		Regan Floating Rate MBS	MBSF	0.49%	114.9 M
	Impact Shares Affordable Housing MBS	OWNS	0.30%	124.1 M		Return Stacked Bonds & Futures Yield	RSBY	1.00%	101.9 M
	Invesco AAA CLO Floating Rate Note	ICLO	0.17%	166.8 M		Saba Intrst Rate Hdgd CEF	CEFS	2.49%	231.4 M
	Invesco Variable Rate Invsmt Grade	VRIG	0.30%	1.1 B		SGI Enhanced Core	USDY	0.98%	141.1 M
	IQ MacKay ESG Core Plus Bond	ESGB	0.39%	295.1 M		Simplify Aggregate Bond PLUS Credit Hedge	AGGH	0.26%	249.5 M
	IQ MacKay Securitized Income	SECR	0.40%	153.4 M		Simplify Enhanced Income	HIGH	0.51%	352.3 M
	IQ MacKay Shields Muncpl Insrd	MMIN	0.30%	506.0 M		Simplify HY PLUS Credit Hedge	CDX	0.25%	122.6 M
	IQ MacKay Shields Muncpl Intern	MMIT	0.30%	725.7 M		Simplify Interest Rate Hedge	PFIH	0.50%	133.3 M
	iShares Short Maturity Bd	NEAR	0.25%	2.9 B		Simplify MBS	MTBA	0.15%	1.4 B
	iShares Short Maturity Municipal Bd	MEAR	0.25%	679.9 M		Simplify Risk Parity Treasury	TYA	0.15%	134.6 M
	iShares Ultra Short-Term Bd	ICSH	0.08%	5.5 B		Simplify Short Term Trsy Futs Strat	TUA	0.15%	607.2 M
	Janus Henderson AAA CLO	JAAA	0.21%	13.1 B		Simplify Stable Income	BUCK	0.35%	203.3 M
	Janus Henderson B-BBB CLO	JBBB	0.48%	1.0 B		SPDR Blackstone High Income	HYBL	0.68%	180.3 M
	Janus Henderson Em Mkts Dbt Hrd Ccy	JEMB	0.52%	225.8 M		SPDR DoubleLine ShtTrm TR Tactical	STOT	0.45%	162.5 M
	Janus Henderson Mortgage-Backed Sec	JMBS	0.23%	4.6 B		SPDR DoubleLine Total Return Tactical	TOTL	0.55%	3.2 B
	Janus Henderson Securitized Income	JSI	0.50%	376.2 M		SPDR SSGA Fixed Inc Sect Rotation	FISR	0.36%	335.2 M
	Janus Henderson Short Duration Inc	VNLA	0.23%	2.2 B		SPDR Blackstone / GSO Senior Loan	SRLN	0.70%	6.2 B
	JPMorgan Active Bond	JBND	0.25%	690.7 M		SPDR SsgA Ultra ShtTrm Bd	ULST	0.20%	552.6 M
	JPMorgan Core Plus Bond	JCPB	0.38%	4.3 B		Strive Enhanced Income Short MaturityETF	BUXX	0.25%	121.4 M
	JPMorgan High Yield Municipal	JMHI	0.35%	177.5 M		Strive Total Return Bond	STXT	0.49%	114.0 M
	JPMorgan Income	JPIE	0.39%	2.1 B		T. Rowe Price Floating Rate	TFLR	0.60%	174.8 M
	JPMorgan Inflation Managed Bond	JCPI	0.25%	665.4 M		T. Rowe Price Total Return	TOTR	0.31%	127.4 M
	JPMorgan International Bond Opps	JPIB	0.50%	491.8 M		T. Rowe Price U.S. High Yield	THYF	0.56%	305.1 M
	JPMorgan Limited Duration Bond	JPLD	0.23%	862.1 M		T. Rowe Price Ultra Short-Term Bond	TBUX	0.17%	211.2 M
	JPMorgan Municipal	JMUB	0.17%	1.8 B		TCW Flexible Income	FLXR	0.40%	393.6 M
	JPMorgan Short Duration Core Plus	JSCP	0.33%	471.8 M		Touchstone Securitized Income	TSEC	0.39%	108.8 M
	JPMorgan Sustainable Municipal Inc	JMSI	0.18%	223.7 M		Touchstone Strategic Income Opports	SIO	0.49%	142.1 M
	JPMorgan Ultra-Short Inc	JPST	0.17%	26.2 B		USAA Core Intermediate-Term Bond	UITB	0.38%	2.3 B
	JPMorgan Ultra-Short Municipal Inc	JMST	0.17%	2.9 B		USAA Core Short-Term Bond	USTB	0.35%	740.4 M
	Nbg Bm Short Duration Income	NBSD	0.35%	151.2 M		VanEck CLO	CLOI	0.40%	570.6 M
NEOS Enhanced Income CA Alt	CSHI	0.38%	465.5 M	Vanguard Core Bond	VCRB	0.10%	1.2 B		
NEOS Enhanced Income Credit Select	HYBI	0.68%	133.1 M	Vanguard Core-Plus Bond	VPLS	0.20%	250.0 M		
Nuveen Ultra Short Income	NUSB	0.17%	151.3 M	Vanguard Ultra-Short Bond Shares	VUSB	0.10%	4.5 B		

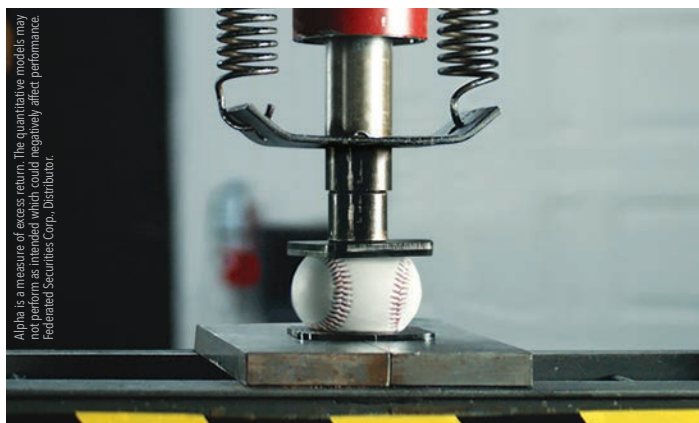
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Fixed Income	VictoryShares ESG Corporate Bond	UCRD	0.40%	138.0 M
	Virtus Newfleet Mlti-Sct Uncnsd Bd	NFLT	0.49%	182.8 M
	Virtus Seix Senior Loan	SEIX	0.62%	210.1 M
	WisdomTree Western Asset Uncnsd Bd	UBND	0.40%	447.3 M
Global & International Stocks	AB Disruptors	FWD	0.65%	432.2 M
	AB International Low Volatility Eq	ILOW	0.50%	843.8 M
	ActivePassive International Equity	APIE	0.45%	822.1 M
	Adasina Social Justice All Cap Global	JSTC	0.89%	204.2 M
	Amplify International Enh Div Inc	IDVO	0.65%	139.3 M
	Aptus Collared Income Opportunity	ACIO	0.79%	1.4 B
	Aptus Defined Risk	DRSK	0.69%	885.1 M
	Aptus International Enhanced Yield	IDUB	0.44%	205.9 M
	Avantis International Equity	AVDE	0.23%	5.3 B
	Avantis International Large Cap Value	AVIV	0.25%	438.2 M
	Avantis International Small Cap Value	AVDV	0.36%	6.8 B
	Avantis Responsible International Eq	AVSD	0.23%	148.0 M
	AXS Knowledge Leaders	KNO	0.75%	131.8 M
	BlackRock Wrld ex US Carbn Trans Readins	LCTD	0.20%	264.2 M
	Blueprint Chesapeake Multi-Asst Trnd	TFPN	1.10%	138.9 M
	BNY Mellon Concentrated International	BKCI	0.65%	160.1 M
	Brandes International	BINV	0.70%	136.2 M
	Cabana Target Drawdown 10	TDSC	0.65%	208.7 M
	Cambria Core Eq	CCOR	1.18%	126.8 M
	Cambria Foreign Shareholder Yield	FYLD	0.59%	343.9 M
	Cambria Intl Momentum	GMOM	0.59%	111.8 M
	Cambria Intl Value	GVAL	0.64%	103.4 M
	Cambria Trinity	TRTY	0.45%	107.7 M
	Capital Group Dividend Growers	CGDG	0.47%	1.3 B
	Capital Group Global Growth Eq	CGGO	0.47%	4.5 B
	Capital Group International Equity	CGIE	0.54%	238.2 M
	Capital Group International Focus Eq	CGXU	0.54%	3.1 B
	CCM Global Equity	CCMG	0.34%	944.5 M
	ClearShares OCIO	OCIO	0.54%	146.5 M
	Conductor Global Equity Value	CGV	1.25%	116.0 M
	Davis Select International	DINT	0.66%	209.8 M
	Davis Select Worldwide	DWLD	0.63%	345.1 M
	Dimensional Intern Small Cap Value	DISV	0.42%	2.2 B
	Dimensional International Core Eq 2	DFIC	0.23%	7.0 B
	Dimensional International Hi Profit	DIHP	0.29%	2.8 B
	Dimensional International Small Cap	DFIS	0.39%	2.3 B
	Dimensional International Value	DFIV	0.27%	8.0 B
	Dimensional Intrntnl Core EqMrkt	DFAI	0.18%	7.2 B
	Dimensional World Equity	DFAW	0.25%	493.3 M
	Dimensional World ex U.S. Core Equity 2	DFAX	0.28%	7.3 B
	Fidelity Disruptive Automation	FBOT	0.50%	103.5 M
	Fidelity Enhanced International	FENI	0.28%	1.7 B
First Trust High Inc	FTHI	0.75%	936.0 M	
First Trust Long/Short Eq	FTLS	1.46%	1.5 B	
First Trust RiverFront Dynamic Devd Intl	RFDI	0.83%	123.9 M	
FPA Global Equity	FPAG	0.49%	152.9 M	
Franklin Liberty Systematic Style Premia	FLSP	0.65%	205.7 M	
Gadsden Dynamic Multi-Asset New	GDMA	0.59%	153.4 M	
Harbor International Compounders	OSEA	0.55%	225.0 M	

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM	
Global Industry Sector Stocks	Horizon Kinetics Inflation Beneficiaries	INFL	0.85%	898.9 M	
	Innovator Gradient Tactical Rot Str	IGTR	0.80%	158.5 M	
	Innovator MSCI EAFE Power Buffer - April	IAPR	0.85%	205.6 M	
	Innovator MSCI EAFE Power Buffer January	IJAN	0.85%	184.9 M	
	JPMorgan Global Select Equity	JGLO	0.33%	4.7 B	
	JPMorgan International Growth	JIG	0.55%	108.3 M	
	JPMorgan International Rsrch Enh Eq	JIRE	0.24%	6.6 B	
	JPMorgan International Value	JIVE	0.55%	106.1 M	
	Kovitz Core Equity	EQTY	0.99%	1.2 B	
	Main BuyWrite	BUYW	1.13%	532.3 M	
	Main Thematic Innovation	TMAT	0.94%	138.3 M	
	MFAM Global Opportunities	TMFG	0.85%	443.2 M	
	OneAscent International Equity	OAIM	0.95%	135.0 M	
	Overlay Shares Large Cap Equity	OVL	0.84%	189.4 M	
	Polen Capital Global Growth	PCGG	0.85%	138.3 M	
	Putnam PanAgora ESG Intl Eq	PPIE	0.49%	205.8 M	
	Return Stacked Global Stocks & Bonds	RSSB	0.35%	208.9 M	
	SPDR S5gA Intl Allocation	GAL	0.15%	237.8 M	
	Tremblant Global	TOGA	0.69%	120.1 M	
	ValueShares Intl Quantitative Value	IVAL	0.39%	148.2 M	
	Wahed Dow Jones Islamic World	UMMA	0.65%	113.7 M	
	WisdomTree International Efficient Core	NTSI	0.26%	352.0 M	
	Xtrackers International Real Estate	HAUZ	0.10%	778.2 M	
	AdvisorShares Pure US Cannabis	MSOS	0.83%	867.9 M	
	ALPS/CoreCommodity Natural Resources	CCNR	0.39%	295.9 M	
	Avantis Real Estate	AVRE	0.17%	537.8 M	
	Dimensional Global Real Estate	DFGR	0.22%	2.1 B	
	Fidelity Disruptive Technology	FDTX	0.50%	155.2 M	
	FT Energy Income Partners Strategy	EIPX	0.95%	335.6 M	
	Goldman Sachs Future Tech Leaders Equity	GTEK	0.75%	173.9 M	
	Roundhill Generative AI & Technology	CHAT	0.75%	207.1 M	
	Simplify Propel Opportunities	SURI	2.50%	102.5 M	
	Vert Global Sustainable Real Estate	VGSR	0.45%	409.7 M	
	Long/Leveraged ETFs & ETNs	2x Ether	ETHU	0.94%	112.6 M
		Defiance Daily Target 1.75X Lng MSTR	MSTX	1.29%	437.5 M
		Defiance Nasdaq 100 Enh Opt Inc	QQQY	0.99%	202.3 M
		Defiance R2000 Enh Opt Inc	IWMY	0.99%	133.2 M
		Direxion Daily AMZN Bull 1.5X	AMZU	1.06%	141.4 M
		Direxion Daily GOOGL Bull 1.5X	GGLL	1.05%	134.2 M
		Direxion Daily MSFT Bull 1.5X	MSFU	1.04%	105.4 M
		Direxion Daily NVDA Bull 1.5X	NVDU	0.95%	692.2 M
		Direxion Daily TSLA Bull 1.5X Shares	TSLL	0.96%	2.2 B
Goldman Sachs Nasdaq-100 Core Prm Inc		GPIQ	0.29%	224.5 M	
Goldman Sachs S&P 500 Core Prm Inc		GPIX	0.29%	229.1 M	
GraniteShares 1.5x Long COIN Daily		CONL	1.10%	454.5 M	
GraniteShares 1.5x Long META Daily		FBL	1.15%	130.0 M	
GraniteShares 1.5x Long NVDA Daily		NVDL	1.06%	5.6 B	
GraniteShares 2x Long AMD Daily		AMDL	1.15%	122.5 M	
Invesco MSCI EAFE Income Advantage		EFAA	0.39%	123.0 M	
Invesco QQQ Income Advantage		QQA	0.29%	133.7 M	
Invesco S&P 500 Eq Wght Inc Adv		RSPA	0.29%	270.2 M	
JPMorgan Nasdaq Equity Premium Inc		JEPQ	0.35%	17.0 B	
LHA Market State Tactical Beta		MSTB	1.41%	137.4 M	

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
Long/Leveraged ETFs & ETNs	MAX S&P 500 4X Leveraged*	SPYU	0.00%	161.7 M
	Natixis Gateway Quality Income	GQI	0.34%	120.3 M
	NEOS Nasdaq-100(R) High Income	QQQI	0.68%	510.6 M
	T-REX 2X Long MSTR Daily Target	MSTU	1.05%	289.1 M
	T-REX 2X Long NVIDIA Daily Target	NVDX	1.05%	665.9 M
	T-REX 2X Long Tesla Daily Target	TSLT	1.05%	391.9 M
	YieldMax MSTR Option Income Strategy	MSTY	0.99%	619.0 M
	YieldMax Ultra Option Inc Strat	ULTY	1.14%	194.2 M
Multi-Asset	Agility Shares Managed Risk	MRSK	0.95%	167.8 M
	Amplify YieldShares CWP Divd & Opt Inc	DIVO	0.55%	3.6 B
	Cabana Target Leading Sector Moderate	CLSM	0.67%	157.1 M
	Capital Group Core Balanced	CGBL	0.22%	963.3 M
	First Trust Instl Pref Secs and Inc	FPEI	0.85%	1.5 B
	First Trust Preferred Securities and Inc	FPE	0.84%	5.7 B
	First Trust Strategic Inc	FDIV	0.35%	107.8 M
	PIMCO Preferred and Cp Sec Act Exc-Trd	PRFD	0.74%	138.0 M
	Principal EDGE Active Inc	YLD	0.39%	233.0 M
	Principal Spectrum Pref Secs Actv	PREF	0.55%	982.9 M
	RPAR Risk Parity	RPAR	0.48%	632.6 M
	SPDR SSGA Multi-Asset Real Return	RLY	0.13%	507.1 M
	STF Tactical Growth	TUG	0.65%	190.6 M
	The Brinsmere Fund - Conservative	TBFC	0.44%	293.7 M
	The Brinsmere Fund - Growth	TBFG	0.46%	287.0 M
	Virtus InfraCap US Preferred Stock	PPFA	2.52%	1.3 B

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
Short/Leveraged ETFs & ETNs	Valkyrie Bitcoin Miners	WGMI	0.75%	125.5 M
Specialty ETFs & ETNs	2x Bitcoin Strategy	BITX	1.85%	1.6 B
	AB Conservative Buffer	BUFC	0.69%	648.6 M
	AllianzIM U.S. Large Cap 6 Month Buffer10 Jan/Jul	SIXJ	0.74%	265.1 M
	AllianzIM U.S. Large Cp Buffer10 Aug	AUGT	0.74%	123.4 M
	AllianzIM U.S. Large Cp Buffer20 Aug	AUGW	0.74%	319.7 M
	AllianzIM U.S. Large Cp Buffer20 Sep	SEPW	0.74%	263.2 M
	AllianzIM US Large Cap Buffer10 Oct	OCTT	0.74%	128.3 M
	AllianzIM US Large Cap Buffer20 Apr	APRW	0.74%	179.6 M
	AllianzIM US Large Cap Buffer20 Jan	JANW	0.74%	202.8 M
	AllianzIM US Large Cap Buffer20 Jul	JULW	0.74%	206.0 M
	AllianzIM US Large Cap Buffer20 Oct	OCTW	0.74%	282.3 M
	AllianzIM US Lrg Cp 6M Bfr10 Jun/Dec	SIXD	0.74%	185.9 M
	AllianzIM US LrgeCap 6Mo Buff10 Apr/Oct	SIXO	0.74%	282.1 M
	Congress SMid Growth	CSMD	0.68%	190.1 M
	Convergence Long/Short Eq	CLSE	1.55%	174.3 M
	Fidelity Hedged Equity	FHEQ	0.48%	471.8 M
	First Trust Cboe Vest Fund of Buffers	BUFR	0.20%	5.4 B
	First Trust Nasdaq BuyWrite Income	FTQI	0.75%	460.4 M
FT Cboe Vest Buffered Allocation Defensive	BUFT	0.20%	113.8 M	
FT Cboe Vest Buffered Allocation Growth	BUFG	0.20%	240.3 M	
FT Cboe Vest Fund of Deep Buffers	BUFD	0.20%	1.0 B	
FT Cboe Vest Fund of Nsdq-100 Bffrs	BUFQ	0.20%	743.5 M	

**Note:** This report screens for active ETFs with greater than \$100 million in AUM, with the exception of Federated Hermes ETFs. Expense data is net of any waivers per the prospectus. Please consult the prospectus for more information. Data as of 09/30/24 and subject to change.



We test the stuffing out of our investments.

FLCV    FLCG    FLCC    FSCC

At Federated Hermes, we put our new MDT active equity ETFs through a ruthless, alpha-seeking model. Analyzing thousands of stocks every day and adjusting for ongoing trends. Because we don't just want to beat the benchmarks. We want to crush them.

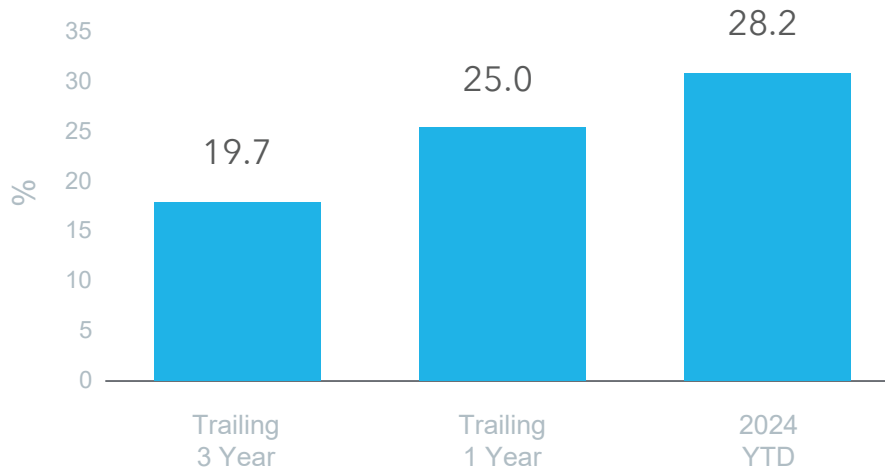


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# Active ETFs increasing share

Active ETF asset flows as a percent of total ETF Fund flows



As of 9/30/24. Sources: Morningstar, Inc.; Federated Hermes

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
Specialty ETFs & ETNs	FT Cboe Vest Gold Target Income	IGLD	0.85%	122.7 M
	FT Cboe Vest Growth-100 Buffer - June	QJUN	0.90%	498.4 M
	FT Cboe Vest Growth-100 Buffer - March	QMAR	0.90%	420.2 M
	FT Cboe Vest Intl Eq Bf June	YJUN	0.90%	169.1 M
	FT Cboe Vest Intrntl Eq Buffer - March	YMAR	0.90%	99.2 M
	FT Cboe Vest Laddered Moderate Bfrr	BUFZ	1.05%	242.9 M
	FT Cboe Vest Nasdaq-100 Buffer-Sept	QSPT	0.90%	310.5 M
	FT Cboe Vest U.S. Eq Buffer - January	FJAN	0.85%	748.8 M
	FT Cboe Vest U.S. Eq Deep Buffer - Jan	DJAN	0.85%	229.9 M
	FT Cboe Vest U.S. Eq Deep Buffer - Mar	DMAR	0.85%	290.1 M
	FT Cboe Vest U.S. EQ Deep Buffr - Aug	DAUG	0.85%	326.2 M
	FT Cboe Vest U.S. Eq Enh & ModBufETF-Mar	XMAR	0.85%	178.3 M
	FT Cboe Vest U.S. Eq Enh & ModBuf-Sep	XSEP	0.85%	119.6 M
	FT Cboe Vest U.S. Eq Mod Buf - Apr	GAPR	0.85%	213.9 M
	FT Cboe Vest U.S. Eq Mod Buffr - Aug	GAUG	0.85%	212.5 M
	FT Cboe Vest U.S. Eq Mod Buffr - Dec	GDEC	0.85%	144.4 M
	FT Cboe Vest U.S. Eq Mod Buffr - Feb	GFEB	0.85%	294.9 M
	FT Cboe Vest U.S. Eq Mod Buffr - Jan	GJAN	0.85%	262.9 M
	FT Cboe Vest U.S. Eq Mod Buffr - Jul	GJUL	0.85%	353.0 M
	FT Cboe Vest U.S. Eq Mod Buffr - Jun	GJUN	0.85%	496.9 M
FT Cboe Vest U.S. Eq Mod Buffr - Mar	GMAR	0.85%	332.7 M	
FT Cboe Vest U.S. Eq Mod Buffr - May	GMAY	0.85%	259.8 M	
FT Cboe Vest U.S. Eq Mod Buffr - Nov	GNOV	0.85%	152.7 M	

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
Specialty ETFs & ETNs	FT Cboe Vest U.S. Eq Mod Buffr - Sep	GSEP	0.85%	232.6 M
	FT Cboe Vest U.S. Equity Buffer - April	FAPR	0.85%	662.9 M
	FT Cboe Vest U.S. Equity Buffer - August	FAUG	0.85%	876.3 M
	FT Cboe Vest U.S. Equity Buffer - Feb	FFEB	0.85%	934.3 M
	FT Cboe Vest U.S. Equity Buffer - March	FMAR	0.85%	880.9 M
	FT Cboe Vest U.S. Equity Buffer - May	FMAY	0.85%	848.2 M
	FT Cboe Vest U.S. Equity Buffer - November	FNOV	0.85%	720.7 M
	FT Cboe Vest U.S. Equity Buffer - October	FOCT	0.85%	606.3 M
	FT Cboe Vest U.S. Equity Deep Buffer - April	DAPR	0.85%	236.9 M
	FT Cboe Vest US Eq Deep Buffer - Feb	DFEB	0.85%	259.7 M
	FT Cboe Vest US EQ Deep Buffer - July	DJUL	0.85%	365.8 M
	FT Cboe Vest US Eq Enhance & Modrt Buffer - Dec	XDEC	0.85%	350.3 M
	FT Cboe Vest US EqEnh&Modrte Buffer-June	XJUN	0.85%	179.5 M
	FT Cboe Vest US Equity Buffer - July	FJUL	0.85%	914.3 M
	FT Cboe Vest US Equity Deep Buffer-May	DMAY	0.85%	267.7 M
	FT Cboe Vest US EQy Deep Buffer - Nov	DNOV	0.85%	247.8 M
	FT Vest U.S. Eq Max Buffr - Mar	MARM	0.85%	191.9 M
	Innovator Defined Wealth Shield	BALT	0.69%	866.3 M
	Innovator Eq Defnd Protd2 Yr-Jul2025	TJUL	0.79%	216.8 M
	Innovator Eq Dfnd Prot - 1Yr Jul	ZJUL	0.00%	125.0 M
Innovator Eq Dfnd Prot - 6Mo Jan/Jul	JAJL	0.79%	154.2 M	
Innovator Equity Defined Prot-1YrSep	ZSEP	0.79%	110.5 M	
Innovator Inter Devlpd Power Buffer-Oct	IOCT	0.85%	119.5 M	



CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM	CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
Specialty ETFs & ETNs	Innovator MSCI EAFE Power Buffer - July	IJUL	0.85%	165.3 M	U.S. Broad Market Stocks	Innovator Nasdaq-100 Power Buffer-July	NJUL	0.79%	275.0 M
	Innovator Nasdaq-100 Managed Floor	QFLR	0.89%	200.9 M		JPMorgan Active Value	JAVA	0.44%	1.6 B
	Innovator S&P 500 Buffer	BJUN	0.79%	151.4 M		LeaderShares AlphaFactor Tactical Focusd	LSAT	0.99%	125.7 M
	Innovator S&P 500 Buffer - August	BAUG	0.79%	182.6 M		Pacer Swan SOS Fund of Funds	PSFF	0.18%	380.2 M
	Innovator S&P 500 Buffer - December	BDEC	0.79%	131.4 M		Running Oak Efficient Growth	RUNN	0.58%	206.6 M
	Innovator S&P 500 Buffer - Feb	BFEB	0.79%	132.1 M		SEI Enhanced US Large Cap Value Fac	SEIV	0.15%	493.2 M
	Innovator S&P 500 Buffer - November	BNOV	0.79%	101.1 M		Simplify Multi-QIS Alternative	QIS	1.00%	107.4 M
	Innovator S&P 500 Buffer - Sept	BSEP	0.79%	204.1 M		Swan Hedged Equity US Large Cap	HEGD	0.80%	296.9 M
	Innovator S&P 500 Buffer Apr New	BAPR	0.79%	284.7 M		T. Rowe Price Dividend Growth	TDVG	0.50%	717.6 M
	Innovator S&P 500 Buffer January	BJAN	0.79%	251.5 M		T. Rowe Price Small-Mid Cap	TMSL	0.55%	220.0 M
	Innovator S&P 500 Buffer July	BJUL	0.79%	264.2 M		Tema American Reshoring	RSHO	0.75%	122.5 M
	Innovator S&P 500 Buffer October	BOCT	0.79%	201.2 M		Vanguard US Value Factor	VFVA	0.13%	772.5 M
	Innovator S&P 500 Buffer-March	BMAR	0.79%	178.7 M		VictoryShares THB Mid Cap ESG	MDCP	0.55%	109.2 M
	Innovator S&P 500 Power Bfrr Apr New	PAPR	0.79%	843.0 M		WisdomTree U.S. AI Enhanced Value	AIVL	0.38%	401.0 M
	Innovator S&P 500 Power Buffer - August	PAUG	0.79%	859.5 M		WisdomTree U.S. Value	WTV	0.12%	367.7 M
	Innovator S&P 500 Power Buffer - Dec	PDEC	0.79%	745.2 M		Amplify Transformational Data Shrg	BLOK	0.70%	687.9 M
	Innovator S&P 500 Power Buffer - Feb	PFEB	0.79%	654.3 M		Aptus Drawdown Managed Equity	ADME	0.79%	222.5 M
	Innovator S&P 500 Power Buffer - May	PMAY	0.79%	563.8 M		ARK Fintech Innovation	ARKF	0.75%	863.7 M
	Innovator S&P 500 Power Buffer - Nov	PNOV	0.79%	669.3 M		ARK Genomic Revolution Mlti-Sct	ARKG	0.75%	1.3 B
	Innovator S&P 500 Power Buffer Jan	PJAN	0.79%	1.0 B		ARK Indstrl Innovation	ARKQ	0.75%	781.3 M
	Innovator S&P 500 Power Buffer July	PJUL	0.79%	989.1 M		ARK Innovation	ARKK	0.75%	5.6 B
	Innovator S&P 500 Power Buffer New	PJUN	0.79%	624.1 M		ARK Web x.0	ARKW	0.75%	1.4 B
	Innovator S&P 500 Power Buffer Oct	POCT	0.79%	718.2 M		Capital Group Growth	CGGR	0.39%	7.6 B
	Innovator S&P 500 Power Buffer-March	PMAR	0.79%	562.9 M		ClearBridge LgCp Grwth ESG	LRGE	0.48%	389.4 M
	Innovator S&P 500 Ultra Bfrr Apr New	UAPR	0.79%	167.6 M		Congress Large Cap Growth	CAML	0.65%	238.0 M
	Innovator S&P 500 Ultra Buffer - Aug	UAUG	0.79%	237.8 M		Davis Select Financial	DFNL	0.64%	215.4 M
	Innovator S&P 500 Ultra Buffer - Sept	USEP	0.79%	158.7 M		Dimensional US Real Estate	DFAR	0.19%	1.2 B
	Innovator S&P 500 Ultra Buffer Jan	UJAN	0.79%	163.8 M		ETFMG U.S. Alternative Harvest	MJUS	0.75%	111.6 M
	Innovator S&P 500 Ultra Buffer July	UJUL	0.79%	143.6 M		First Trust N American Energy Infrastrc	EMLP	0.95%	2.8 B
	Innovator S&P 500 Ultra Buffer Oct	UOCT	0.79%	116.4 M		FT Energy Income Ptnrs Enh Inc	EIPI	1.10%	949.5 M
	Innovator S&P 500 Ultra Buffer-March	UMAR	0.79%	102.9 M		Harbor Long-Term Growers	WINN	0.57%	556.8 M
	Innovator U.S. Equity 10 Buffr - Qt	ZALT	0.69%	248.3 M		InfraCap MLP	AMZA	2.18%	389.1 M
	Innovator US Eq Accelrtd 9 Buffer-July	XBJL	0.79%	150.5 M		iShares Evolved US Technology	IETC	0.18%	309.9 M
	iShares Large Cap Max Buffer Jun	MAXJ	0.50%	172.1 M		JPMorgan Realty Income	JPRE	0.50%	380.0 M
	MomentumShares U.S. Quantitavte Momentum	QMOM	0.29%	258.5 M		JPMorgan U.S. Tech Leaders	JTEK	0.65%	682.5 M
	Nbg Bm Option Strategy	NBOS	0.56%	443.5 M		Natixis Loomis Sayles Focused Growth	LSGR	0.59%	268.4 M
	QuantShares U.S. Mkt Neutral Anti-Beta	BTAL	1.43%	403.3 M		Putnam BDC Income	PBDC	0.75%	105.0 M
	Simplify Managed Futures Strategy	CTA	0.76%	283.8 M		Putnam Sustainable Future	PFUT	0.63%	306.0 M
	Simplify Market Neutral Eq Long/Shrt	EQLS	1.00%	143.1 M		Putnam Sustainable Leaders	PLDR	0.58%	612.5 M
	U.S. Broad Market Stocks	American Conservative Values	ACVF	0.75%		107.1 M	Reaves Utilities	UTES	0.49%
Avantis U.S. Equity		AVUS	0.15%	7.3 B	REX FANG & Innovation Equity Prm Inc	FEPI	0.65%	388.3 M	
Barclays+ Shiller Capet		CAPE	0.65%	403.7 M	Roundhill Magnificent Seven	MAGS	0.29%	781.9 M	
Capital Group Dividend Value		CGDV	0.33%	11.3 B	Simplify Health Care	PINK	0.50%	217.0 M	
Dimensional US Core Equity Market		DFAU	0.12%	6.5 B	SPDR Dow Jones REIT	RWR	0.25%	1.8 B	
Dimensional US High Profitability		DUHP	0.22%	7.0 B	T. Rowe Price Growth	TGRT	0.38%	344.9 M	
Dimensional US Marketwide Value		DFUV	0.21%	11.3 B	USCF Midstream Energy Income Fund	UMI	0.85%	321.1 M	
Euclidean Fundamental Value		ECML	0.95%	181.9 M	Vanguard US Momentum Factor	VFMO	0.13%	667.5 M	
FT Cboe Vest Growth-100 Buffer-Dec		QDEC	0.90%	355.8 M	U.S. Large Cap Stocks	6 Meridian Hedged EQ-Idx Option Strat	SIXH	1.01%	429.2 M
FT Cboe Vest US Eq Buffer - Dec		FDEC	0.85%	737.5 M		6 Meridian Low Beta Equity Strategy	SIXL	0.79%	177.6 M
FT Cboe Vest US Eq Deep Buff(Oct)		DOCT	0.85%	171.9 M		6 Meridian Mega Cap Equity	SIXA	0.78%	275.2 M
FT Cboe Vest US Eq Deep Buffer - Dec		DDEC	0.85%	337.8 M		AB US Large Cap Strategic Equities	LRGC	0.48%	210.6 M
Gotham 1000 Value		GVLU	0.50%	162.6 M		ActivePassive U.S. Equity	APUE	0.30%	1.6 B
Innovator Nasdaq-100 Power Buffer-April		NAPR	0.79%	197.5 M		Adaptive Growth Opportunities	AGOX	1.22%	323.6 M



# Q4-2024 Active ETFs

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
U.S. Large Cap Stocks	AdvisorShares DWA FSM US Core	DWUS	1.18%	113.3 M
	AdvisorShares Focused Eq	CWS	0.84%	172.7 M
	Alpha Architect Tail Risk	CAOS	0.51%	249.4 M
	American Century Focused Dynamic Growth	FDG	0.45%	238.6 M
	American Century Focused Large Cap Value	FLV	0.42%	227.1 M
	American Century Sustainable Equity	ESGA	0.39%	231.6 M
	Anfield U.S. Equity Sector Rotation	AESR	1.00%	127.6 M
	Applied Finance Valuation Large Cap US	VSLU	0.49%	214.2 M
	Aptus Large Cap Enhanced Yield	DUBS	0.39%	200.7 M
	ARK Space Exploration & Innovation	ARKX	0.71%	233.8 M
	Astoria US Quality Kings	ROE	0.49%	143.5 M
	Avantis All Equity Markets	AVGE	0.03%	431.8 M
	Avantis Responsible U.S. Eq	AVSU	0.15%	303.2 M
	Avantis U.S. Large Cap Equity	AVLC	0.15%	431.7 M
	Avantis U.S. Large Cap Value	AVLV	0.15%	4.5 B
	Bahl & Gaynor Income Growth	BGIG	0.45%	157.9 M
	BlackRock U.S. Carbon Transition Readiness	LCTU	0.14%	1.2 B
	BlackRock U.S. Equity Factor Rttm	DYNF	0.30%	12.2 B
	Brandes U.S. Value	BUSA	0.60%	179.3 M
	BrandywineGLOBAL Dyn US Lrg Cap Val	DVAL	0.49%	116.5 M
	Burney U.S. Factor Rotation	BRNY	0.79%	263.7 M
	Bushido Capital US Equity	SMRI	0.71%	377.1 M
	Capital Group Core Eq	CGUS	0.33%	3.7 B
	CastleArk Large Growth	CARK	0.54%	336.4 M
	CornerCap Fundametrics Large-Cap FUNL	FUNL	0.50%	203.5 M
	Davis Select U.S. Eq	DUSA	0.61%	534.2 M
	Day Hagan/Ned Davis Rsrch Smart Sector	SSUS	0.68%	603.1 M
	Dimensional U.S. Core Equity 2	DFAC	0.17%	31.2 B
	Dimensional U.S. Equity	DFUS	0.09%	11.0 B
	Dimensional US Core Equity 1	DCOR	0.14%	907.3 M
	Dimensional US Large Cap Value	DFLV	0.22%	2.6 B
	Dimensional US Large Cap Vector	DFVX	0.22%	300.5 M
	Dimensional US Sustainability Core 1	DFSU	0.18%	1.2 B
	Direxion HCM Tactical Enh US EqStrat	HCMT	1.17%	392.6 M
	Distillate US Fdmtl Stblty & Val	DSTL	0.39%	2.1 B
	EA Bridgeway Blue Chip	BBLU	0.15%	208.2 M
	Eagle Capital Select Equity	EAGL	0.80%	2.1 B
	Engine No. 1 Transform Climate	NETZ	0.75%	178.1 M
	ERShares Private-Public Crossover	XOVR	0.75%	108.7 M
	Fairlead Tactical Sector	TACK	0.59%	212.3 M
	<b>Federated Hermes MDT Large Cap Core</b>	<b>FLCC</b>	<b>0.29%</b>	<b>2.8 M</b>
	<b>Federated Hermes MDT Large Cap Gr</b>	<b>FLCG</b>	<b>0.39%</b>	<b>3.2 M</b>
	<b>Federated Hermes MDT Large Cap Value</b>	<b>FLCV</b>	<b>0.32%</b>	<b>3.2 M</b>
	<b>Federated Hermes US Strategic Dvd</b>	<b>FDV</b>	<b>0.50%</b>	<b>158.7 M</b>
	Fidelity Blue Chip Growth	FBCG	0.59%	2.2 B
	Fidelity Blue Chip Value	FBCV	0.59%	124.7 M
	Fidelity Enhanced Large Cap Core	FELC	0.18%	3.7 B
Fidelity Enhanced Large Cap Growth	FELG	0.18%	2.9 B	
Fidelity Enhanced Large Cap Value	FELV	0.18%	2.0 B	
Fidelity Magellan	FMAG	0.59%	140.9 M	
Fidelity® Fundamental Large Cap Core	FFLC	0.38%	506.5 M	
Fidelity® Fundamental Large Cap Gr	FFLG	0.38%	336.5 M	
FMC Excelsior Focus Equity	FMCX	0.70%	99.4 M	

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
U.S. Large Cap Stocks	Franklin Focused Growth	FFOG	0.55%	128.6 M
	Freedom Day Dividend	MBOX	0.39%	112.3 M
	FT Cboe Vest Ris Div Ach Trg Inc	RDVI	0.75%	1.4 B
	FT Cboe Vest SMID Ris Div Ach Trg Inc	SDVD	0.85%	144.7 M
	FT Cboe Vest U.S. Equity Buffer - June	FJUN	0.85%	843.2 M
	FT Cboe Vest US EQ Deep Buffer - Sept	DSEP	0.85%	239.6 M
	FT Cboe Vest US Equity Buffer - Sept	FSEP	0.85%	790.7 M
	FT Cboe Vest US Equity Deep Buffer-June	DJUN	0.85%	255.2 M
	FundX	XCOR	1.01%	167.8 M
	GMO U.S. Quality	QLTY	0.50%	1.1 B
	Gotham Enhanced 500	GSPY	0.50%	490.1 M
	Harbor Dividend Growth Leaders	GDIV	0.50%	291.5 M
	Hartford Large Cap Growth	HFGO	0.59%	133.7 M
	Hartford Quality Value	QUVU	0.45%	179.6 M
	Innovator Equity Managed Floor	SFLR	0.89%	483.0 M
	Innovator Nasdaq-100 Power Buffer	NOCT	0.79%	145.9 M
	Innovator Nasdaq-100 Power Buffer - Jan	NJAN	0.79%	208.1 M
	Innovator S&P 500 Buffer-May	BMAY	0.79%	133.9 M
	Invesco S&P 500 Downside Hdgd	PHDG	0.36%	117.0 M
	JPMorgan Active Growth	JGRO	0.44%	2.9 B
	JPMorgan Equity Focus	JPEF	0.50%	870.9 M
	JPMorgan Equity Premium Income	JEPI	0.35%	36.0 B
	JPMorgan Hedged Equity Ldrd Ovrrly	HELO	0.50%	1.7 B
	LeaderShares Equity Skew	SQEW	0.75%	101.5 M
	Main Sector Rotation	SECT	0.57%	1.9 B
	Nationwide Risk-Managed Income	NUSI	0.68%	335.6 M
	Nbg Bm Small-Mid Cap	NBSM	0.74%	199.1 M
	NEOS S&P 500 High Income	SPYI	0.68%	2.0 B
	Neuberger Berman Core Equity	NBCR	0.30%	233.3 M
	Nuveen Growth Opportunities	NUGO	0.56%	2.8 B
	OneAscent Large Cap Core	OALC	0.49%	116.6 M
	Principal Contrarian Value	PVAL	0.55%	1.2 B
	Principal US Mega-Cap Multi-Factor	USMC	0.12%	2.5 B
	Return Stacked US Stocks & Mgd Futs	RSST	0.96%	220.7 M
	Return Stacked® US Stk & Futs Yld	RSSY	1.04%	153.6 M
	Roundhill N-100 ODTE Cov CII Strat	QDTE	0.95%	466.2 M
	Roundhill S&P 500 ODTE Cov CII Strat	XDTE	0.95%	167.4 M
	Segall Bryant & Hamill Select Equity	USSE	0.65%	213.6 M
	SEI Enhanced Low Volatil US Lg Cap	SELV	0.15%	133.7 M
	SEI Enhanced US Large Cap Momt Fac	SEIM	0.15%	522.1 M
	SEI Enhanced US Large Cap Qual Fac	SEIQ	0.15%	248.7 M
	S&I U.S. Large Cap Core	SGLC	0.85%	104.3 M
	Simplify Hedged Equity	HEQT	0.51%	223.1 M
	S&I 3Fourteen Full-Cycle Trend	FCTE	0.85%	459.6 M
	Soundwatch Hedged Equity	SHDG	0.53%	144.5 M
	SPDR SSGA US Sector Rotation	XLSR	0.57%	612.2 M
	Stance Equity ESG Large Cap Core	STNC	0.85%	104.6 M
T. Rowe Price Blue Chip Growth	TCHP	0.57%	793.6 M	
T. Rowe Price Capital Apprec Eq	TCAF	0.31%	2.4 B	
T. Rowe Price Equity Income	TEQI	0.54%	243.6 M	
T. Rowe Price Growth Stock	TGRW	0.52%	246.4 M	
T. Rowe Price US Equity Research	TSPA	0.34%	970.5 M	
TCW Compounders	GRW	0.75%	178.9 M	

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
<b>U.S. Large Cap Stocks</b>	TrimTabs Float Shrink	TTAC	0.59%	476.5 M
	TrueShares Active Yield	ERNZ	0.75%	154.2 M
	TrueShares Low Volatility Equity Income	DIVZ	0.65%	126.7 M
	Unusual Whales Subversive Dem Trd	NANC	0.75%	176.5 M
	ValueShares U.S. Quantitative Value	QVAL	0.29%	375.9 M
	Vanguard US Minimum Volatility	VFMV	0.13%	140.0 M
	Vanguard US Multifactor	VFMF	0.18%	294.7 M
	Vanguard US Quality Factor	VFQY	0.13%	395.1 M
	VictoryShares WestEnd U.S. Sector	MODL	0.46%	413.6 M
	WisdomTree 90/60 US Balanced	NTSX	0.20%	1.2 B
	YieldMax AMD Option Income Strategy	AMDY	0.99%	122.8 M
	YieldMax AMZN Option Income StgyETF	AMZY	1.01%	176.0 M
	YieldMax COIN Option Income Stgy	CONY	1.01%	641.6 M
	YieldMax Magnificent 7 Fd Of Opt IncETFs	YMAG	1.28%	147.8 M
	YieldMax META Option Income Stgy	FBY	0.99%	111.2 M
	YieldMax NVDA Option Income Strategy	NVDY	1.01%	1.2 B
	YieldMax TSLA Option Income Strategy	TSLY	1.01%	779.5 M
	YieldMax Universe Fund Of Opt Inc	YMAX	1.28%	286.6 M
	Zacks Earnings Consistent Portfolio	ZEXP	0.55%	172.2 M
	<b>U.S. Mid Cap Stocks</b>	AAM Bahl & Gaynor Small/Mid Cap Inc Gro	SMIG	0.60%
Avantis U.S. Mid Cap Equity		AVMC	0.18%	115.0 M
Ballast Small/Mid Cap		MGMT	1.10%	153.6 M

CATEGORY	PRODUCT NAME	TICKER	EXPENSE RATIO	AUM
<b>U.S. Mid Cap Stocks</b>	Cambria Shareholder Yield	SYLD	0.59%	1.3 B
	Fidelity Enhanced Mid Cap	FMDE	0.23%	1.9 B
	Innovator Russell 2000 Power Buffer	KOCT	0.79%	108.3 M
	MFAM Mid-Cap Growth	TMFM	0.85%	205.1 M
	Thrivent Small-Mid Cap ESG	TSME	0.65%	214.0 M
<b>U.S. Small Cap Stocks</b>	Avantis U.S. Small Cap Eq	AVSC	0.25%	1.3 B
	Avantis U.S. Small Cap Value	AVUV	0.25%	13.7 B
	Dimensional U.S. Small Cap	DFAS	0.26%	8.8 B
	Dimensional U.S. Targeted Value	DFAT	0.28%	10.5 B
	Dimensional US Small Cap Value	DFSV	0.31%	3.8 B
	EA Bridgeway Omni Small-Cap Value	BSVO	0.47%	1.4 B
	<b>Federated Hermes MDT Small Cap Core</b>	<b>FSCC</b>	<b>0.36%</b>	<b>3.5 M</b>
	Fidelity Enhanced Small Cap	FESM	0.28%	917.8 M
	Innovator Russell 2000 Power Buffer Jan	KJAN	0.79%	415.8 M
	Innovator Russell 2000 Power Buffr-April	KAPR	0.79%	182.0 M
	Innovator Russell 2000 Power Buffr-July	KJUL	0.79%	152.9 M
	JPMorgan Market Expansion Enh Eq	JMEE	0.24%	1.4 B
	Opus Small Cap Value Plus	OSCV	0.79%	397.3 M
	Principal U.S. SmCp Index	PSC	0.38%	647.2 M

**Note:** This report screens for active ETFs with greater than \$100 million in AUM, with the exception of Federated Hermes ETFs. Expense data is net of any waivers per the prospectus. Please consult the prospectus for more information. Data as of 09/30/24 and subject to change.



Investments are subject to risk and may lose value. Federated Securities Corp., Distributor.

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## Motor vehicles are vetted for safety. Why not investment vehicles?

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At Federated Hermes, we put our equity, fixed income and liquidity products through a ruthless vetting process. Gaming out every scenario we can imagine. Because we don't like surprises. And neither do our clients.



Vetting for a volatile world.

# Your portfolio building blocks

Federated Hermes MDT believes above-market returns can be achieved using an active, systematic investment approach with an analytical edge, which confers the advantages of discipline, testability and repeatability. Utilizing advanced modeling techniques, which harness the benefit of machine learning, our investment teams aim to identify a diverse range of unique alpha-seeking opportunities that drive differentiated active performance.

Federated Hermes MDT Large Cap Core ETF (FLCC)  
Federated Hermes MDT Large Cap Value ETF (FLCV)  
Federated Hermes MDT Large Cap Growth ETF (FLCG)  
Federated Hermes MDT Small Cap Core ETF (FSCC)

NAV	Expense ratio* <sup>^</sup>	
	Before waivers	After waivers
<b>Federated Hermes MDT Large Cap Core ETF (FLCC)</b>	0.39%	0.29%
<b>Federated Hermes MDT Large Cap Value ETF (FLCV)</b>	0.42%	0.32%
<b>Federated Hermes MDT Large Cap Growth ETF (FLCG)</b>	0.49%	0.39%
<b>Federated Hermes MDT Small Cap Core ETF (FSCC)</b>	0.46%	0.36%
<b>Federated Hermes Short Duration Corporate ETF (FCSH)</b>	0.39%	0.30%
<b>Federated Hermes Short Duration High Yield ETF (FHYS)</b>	0.61%	0.51%
<b>Federated Hermes Total Return Bond ETF (FTRB)</b>	0.54%	0.39%
<b>Federated Hermes U.S. Strategic Dividend ETF (FDV)</b>	0.62%	0.50%

Past performance is no guarantee of future results.

\*The fund's expense ratio is from the most recent prospectus. The expense ratio may reflect voluntary fee waivers and/or expense reimbursements determined by the fund's Advisor and its affiliates. The voluntary waivers and/or reimbursements, if applicable, are in effect up to but not including the later of 7/1/2025 (for FCSH and FHYS), 1/1/25 (for FDV and FTRB) or 8/1/25 (for FLCC, FLCG, FLCV and FSCC); or the date of the fund's next effective prospectus.

<sup>^</sup>Includes acquired fund fees and other expenses.

Exchange-traded fund shares are bought and sold on an exchange at market price (not NAV) and are not individually redeemed from the Fund. However, shares may be redeemed at NAV directly by certain authorized broker-dealers (Authorized Participants) in very large creation/redemption units. Shares may trade at a premium or discount to their NAV in the secondary market. Brokerage commissions will reduce returns. Market price returns are based on the official closing price of an ETF share or, if the official closing price isn't available, the midpoint between the national best bid and national best offer ("NBBO") as of the time the ETF calculates the current NAV per share. NAVs are calculated using prices as of 4:00 PM Eastern Time.

There is no guarantee that active ETFs will outperform passive ETFs and they may underperform. Active ETFs typically have higher fees than passive ETFs, which can reduce performance.

Alpha is a measure of excess return.

The quantitative models employed by the MDT ETFs may not perform as intended which could negatively affect performance.

Bond prices are sensitive to changes in interest rates and a rise in interest rates can cause a decline in their prices. Issuers of fixed-income securities may fail to pay interest or principal on those securities when due, which may reduce the value of the fund's portfolio holdings, its share price and its performance.

The small cap fund invests in small capitalization (or "small-cap") companies. Small-cap companies may have less liquid stock, a more volatile share price, unproven track records, a limited product or service base and limited access to capital. The above factors could make small-cap companies more likely to fail than larger companies and increase the volatility of the fund's portfolio, performance and price. Suitable securities of small-cap companies also can have limited availability and cause capacity constraints on investment strategies for funds that invest in them.

Value stocks tend to have higher dividends and thus have a higher income-related component in their total return than growth stocks. Value stocks also may lag growth stocks in performance, particularly in late stages of a market advance.

Growth stocks are typically more volatile than value stocks.

There are no guarantees that dividend-paying stocks will continue to pay dividends. In addition, dividend-paying stocks may not experience the same capital appreciation potential as non-dividend-paying stocks.

High-yield, lower-rated securities generally entail greater market, credit/default and liquidity risks and may be more volatile than investment-grade securities.

**Investors should carefully consider the fund's investment objectives, risks, charges and expenses before investing. To obtain a summary prospectus or prospectus containing this and other information, contact us or visit [FederatedHermes.com/us](https://FederatedHermes.com/us). Please carefully read the summary prospectus or prospectus before investing.**

Although the information provided in this document has been obtained from sources which Federated Hermes believes to be reliable, it does not guarantee accuracy of such information, and such information may be incomplete or condensed.

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