

HV ETF Master List as of 12/29/2022

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
TUR	iShares Turkey Investment Index	Emerging Markets Equi	48	8.55%	33.74%	50.71%	100.11%	54.83%	-21.10%
TBT	ProShares UltraShort Lehman 20 Yr Treas	Leveraged Bonds	21	8.94%	-11.37%	-0.47%	88.28%	12.98%	-25.46%
AGQ	ProShares Ultra Silver	Leveraged Commoditie	20	9.20%	48.24%	30.54%	-8.09%	21.22%	-54.19%
XLE	Energy Select Sector *	Energy Equities	13	-4.33%	-3.76%	5.43%	56.61%	7.55%	-7.61%
VDE	Vanguard Energy VIPERS	Energy Equities	12	-5.04%	-4.94%	3.97%	55.29%	6.55%	-8.61%
IYE	Dow Jones US Energy	Specialty-Natural Res.	12	-5.31%	-5.00%	3.73%	53.46%	6.57%	-8.53%
PSQ	ProShares Short QQQ	Inverse Equities	11	9.70%	-3.29%	3.23%	35.73%	7.90%	-73.57%
SLV	iShares Silver Trust	Precious Metals	11	4.72%	22.46%	15.39%	2.14%	13.24%	-18.63%
TBF	ProShares Short 20+Year Treasury	Inverse Bonds	10	4.57%	-5.52%	0.40%	40.28%	7.59%	-9.08%
PPLT	ETFS Physical Platinum Shares	Precious Metals	10	1.59%	14.87%	14.12%	9.12%	12.70%	-17.86%
IXC	S&P Global Energy	Energy Equities	9	-5.71%	-3.89%	4.08%	41.08%	4.38%	-8.90%
EWK	iShares Hong Kong Index	China Equities	9	5.23%	26.95%	12.20%	-7.98%	3.80%	-24.06%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	8	-7.95%	-9.46%	-3.00%	50.80%	2.54%	-12.83%
THD	iShares Thailand Capped Invest Mrkt Idx	Emerging Markets Equi	7	1.61%	12.73%	14.67%	-0.54%	7.10%	-25.56%
EZA	iShares South Africa Index	Emerging Markets Equi	7	2.97%	16.19%	15.12%	-5.97%	0.75%	-42.58%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	7	-0.44%	4.67%	16.64%	8.50%	7.83%	-53.49%
IGE	iShares North American Natural Resources	Commodity Producers	7	-5.04%	-1.51%	4.65%	28.75%	2.69%	-10.79%
RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	6	-2.35%	30.49%	12.63%	-16.69%	-0.60%	-39.11%
ECH	iShares Chile Index	Latin America	6	-2.03%	6.42%	6.38%	14.90%	0.56%	-52.77%
EWK	iShares Belgium Index	Europe Stock	6	1.70%	17.23%	20.94%	-15.92%	4.10%	-22.62%
FXI	iShares China 25 Index	China Equities	6	4.58%	30.91%	7.40%	-20.69%	-0.56%	-46.74%
FXN	1st Trust Energy AlphaDEX	Energy Equities	6	-8.79%	-9.04%	-2.80%	42.70%	1.28%	-12.32%
EWP	iShares Spain Index	Europe Stock	6	-1.66%	14.17%	19.31%	-7.35%	4.45%	-32.84%
GUNR	FlexShares Global Upstream Natural Resources	Commodity Producers	6	-3.28%	6.84%	8.59%	10.38%	2.29%	-10.91%
GDXJ	VanEck Vectors Junior Gold Miners	Commodity Producers	6	-3.23%	27.28%	13.45%	-14.31%	1.67%	-43.90%
IDV	iShares International Select Dividend	Foreign Large Cap Equ	6	-0.55%	17.09%	18.15%	-12.32%	-0.05%	-23.80%
GDX	Mkt Vector Gold Miners	Specialty-Precious Met	6	-4.06%	27.07%	12.36%	-10.02%	0.06%	-35.28%
EFV	MSCI EAFE iShares Value Index	Foreign Large Cap Equ	5	-1.16%	12.96%	16.38%	-8.33%	3.50%	-22.46%
EWI	iShares Italy Index	Europe Stock	5	-2.39%	14.98%	23.45%	-16.73%	7.17%	-20.74%
XME	SPDR S&P Metals & Mining	Commodity Producers	5	-6.43%	8.59%	6.71%	11.81%	-0.52%	-23.96%
HDGE	Ranger Equity Bear	Inverse Equities	5	6.96%	-4.01%	-0.66%	16.55%	1.05%	-74.41%
EWQ	iShares France Index	Europe Stock	5	-1.41%	15.12%	20.16%	-13.84%	6.50%	-17.18%
FEZ	SPDR Euro Stoxx 50	Europe Stock	5	-2.46%	17.37%	22.23%	-15.86%	7.71%	-20.45%
RWM	ProShares Short Russell2000	Inverse Equities	5	6.19%	0.00%	-2.00%	17.49%	1.05%	-61.15%
EWU	iShares United Kingdom Index	Europe Stock	4	-3.17%	11.47%	15.01%	-7.03%	1.64%	-18.66%
GNR	SPDR S&P Global Natural Resources	Commodity Producers	4	-5.21%	5.78%	8.28%	5.87%	1.34%	-12.48%
GLD	SPDR Gold Shares	Precious Metals	4	0.60%	11.22%	5.78%	-1.23%	1.81%	-12.91%
SH	Short S&P 500 ProShares ETF	Inverse Equities	4	5.83%	-3.73%	-3.33%	17.33%	1.85%	-61.63%
FXU	1st Trust Utilities AlphaDEX	Utilities Equities	4	-1.98%	5.42%	8.70%	2.84%	0.87%	-6.87%
MCHI	iShares MSCI China	China Equities	4	3.80%	27.58%	9.31%	-22.91%	0.38%	-50.21%
EWM	iShares Malaysia Index	Emerging Markets Equi	4	-0.30%	12.93%	11.01%	-8.55%	1.59%	-37.24%

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EZU	European Monetary Union Index	Europe Stock	4	-2.25%	16.43%	20.17%	-18.45%	5.60%	-22.43%
IEV	S&P Europe 350 Index	Europe Stock	4	-2.32%	14.44%	17.70%	-15.77%	3.87%	-17.84%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	4	-2.30%	5.12%	11.84%	1.79%	2.64%	-4.52%
EWG	iShares Germany Index	Europe Stock	4	-2.07%	18.44%	22.43%	-23.58%	4.61%	-31.33%
PXF	PowerShares FTSE RAFI Developed Markets	Foreign Large Cap Equ	4	-1.39%	12.22%	15.75%	-11.59%	2.52%	-16.85%
IAU	iShares Gold Trust	Precious Metals	4	0.61%	11.24%	5.81%	-1.06%	1.90%	-12.63%
XLU	Utilities Select Sector *	Utilities Equities	4	-0.27%	6.75%	9.32%	-0.56%	-0.16%	-8.88%
VPU	Vanguard Utilities VIPERS	Utilities Equities	4	-0.33%	6.68%	9.49%	-0.86%	-0.02%	-8.47%
DHS	Wisdom Tree High-Yield Equity	Large Cap Value	3	-3.54%	2.75%	8.94%	4.42%	1.45%	-5.48%
XLP	Consumer Staples Select *	Consumer Staples	3	-2.50%	5.51%	10.98%	-2.84%	1.64%	-7.01%
KIE	SPDR S&P Insurance	Specialty-Financial	3	-2.88%	2.26%	8.62%	2.03%	4.82%	-56.10%
IDU	Dow Jones US Utilities	Utilities Equities	3	-0.91%	6.16%	8.30%	-1.19%	-0.13%	-50.65%
JXI	iShares S&P Global Utilities	Utilities Equities	3	-1.61%	7.76%	11.16%	-6.26%	-0.85%	-10.13%
FBT	1st Trust Biotechnology Index	Health & Biotech Equiti	3	-1.30%	7.97%	11.52%	-4.54%	8.73%	-16.35%
DJP	Bloomberg Commodity Index	Commodities	3	-3.22%	-0.12%	-3.14%	17.21%	-6.36%	-18.35%
HDV	iShares Core High Dividend	Large Cap Value Equiti	3	-3.61%	3.01%	8.21%	3.23%	1.20%	-5.16%
FXE	CurrencyShares Euro Currency Trust	Currency	3	1.40%	9.44%	8.88%	-6.90%	3.25%	-18.27%
EPP	iShares Pacific ex. Japan Index Fund	Pacific Asia/excl. Japan	3	-2.91%	14.22%	10.10%	-9.86%	0.55%	-20.23%
EPHE	iShares MSCI Philippines	Emerging Markets Equi	3	-0.34%	12.43%	16.27%	-16.21%	0.46%	-34.36%
VGK	Vanguard European	Europe Equities	3	-2.30%	14.55%	18.00%	-17.76%	3.06%	-20.51%
RHS	Guggenheim S&P 500 = Wt. Consum Staples	Consumer Staples	3	-2.70%	4.61%	9.80%	0.89%	1.66%	-5.21%
EFA	MSCI EAFE iShares Index Fd	Foreign Large Cap Equ	3	-2.14%	13.54%	14.84%	-15.71%	2.82%	-19.25%
EWS	iShares Singapore Index	Pacific Asia/excl. Japan	2	-2.12%	11.72%	8.34%	-11.31%	2.39%	-32.71%
SPHD	PowerShares S&P 500 HiDivLowVol	Large Cap Value	2	-3.38%	4.39%	9.86%	-2.80%	-1.36%	-10.62%
FXY	CurrencyShares Japanese Yen Trust	Currency	2	1.68%	11.33%	9.00%	-13.92%	1.94%	-27.45%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	2	-3.91%	1.01%	8.66%	1.71%	0.04%	-7.29%
FDL	1st Trust Morningstar Div. Lead's	Large Cap Value	2	-3.81%	3.30%	7.33%	2.90%	0.54%	-6.61%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	2	-1.87%	3.75%	6.99%	-2.79%	4.00%	-5.59%
PEY	PowerShares Hi Yields Div. Achiev's	Mid-Cap Value	2	-3.30%	3.53%	8.56%	-1.23%	-0.28%	-7.47%
SDY	SPDR Dividend ETF	Large Value	2	-3.99%	4.95%	9.17%	-2.38%	1.84%	-4.75%
SDOG	ALPS Sector Dividend Dogs	Large Cap Value Equiti	2	-3.82%	5.43%	10.01%	-3.60%	-0.30%	-10.08%
GSG	iShares GSCI Commodity Index	Commodities.	2	-2.24%	-5.32%	-5.58%	22.68%	-7.14%	-20.31%
IEFA	iShares Core MSCI EAFE	Foreign Large Cap Equ	2	-2.12%	13.40%	14.65%	-16.56%	2.49%	-20.36%
IHE	iShares DJ US Pharmaceuticals	Health & Biotech Equiti	2	-1.40%	5.40%	8.54%	-6.47%	0.62%	-7.49%
XLI	Industrial Select Sector *	Industrial Equities	2	-3.10%	5.38%	13.57%	-6.81%	5.09%	-7.95%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	2	-1.27%	5.89%	10.46%	-6.16%	1.67%	-7.23%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	2	-2.16%	6.02%	9.74%	-5.60%	3.48%	-30.70%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	2	-2.99%	4.80%	10.55%	-3.67%	1.36%	-7.57%
IYH	Dow Jones US Healthcare	Specialty-Health	2	-2.11%	5.30%	8.79%	-5.25%	3.97%	-5.72%
XLV	Health Care Select SPDR *	Health & Biotech Equiti	2	-2.21%	4.86%	8.84%	-3.23%	4.17%	-4.54%
EWN	iShares Netherlands Index	Europe Stock	2	-4.13%	19.62%	17.32%	-24.73%	4.13%	-29.71%
DWX	SPDR S&P International Dividend	Foreign Large Cap Equ	2	-1.00%	11.48%	12.29%	-16.10%	-3.51%	-23.98%
DVY	iShares Select Dividend Index	Large Cap Value	2	-3.28%	4.35%	9.77%	-0.99%	0.18%	-8.14%
DBC	PowerShares DB Commodity Index	Commodities	1	-3.67%	-4.98%	-5.02%	17.56%	-6.87%	-19.98%

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DBEU	Deutsche X-Trackers MSCI Europe Hedged	Europe Equities	1	-2.67%	5.74%	9.68%	-6.84%	2.98%	-8.36%
VEA	Vanguard FTSE Developed Markets	Foreign Large Cap	1	-3.20%	11.53%	12.86%	-17.00%	0.84%	-20.68%
DFE	Wisdom Tree Europe SmCap Div.	Europe Stock	1	-1.87%	15.12%	17.90%	-26.10%	-1.90%	-30.40%
FXB	CurrencyShares British Pound	Currency	1	-1.40%	7.97%	8.19%	-10.87%	0.26%	-20.29%
ACWX	iShares MSCI ACWI ex US	Global Equities	1	-2.58%	11.81%	11.16%	-17.25%	0.65%	-22.20%
SCHD	Schwab US Dividend Equity	All Cap Equities	1	-4.16%	5.03%	9.86%	-6.26%	1.79%	-7.53%
VYM	Vanguard High Div. Yield Index	Large Cap Value	1	-4.04%	3.29%	9.75%	-3.24%	2.07%	-5.68%
SCHF	Schwab International Equity	Foreign Large Cap Equ	1	-3.96%	10.68%	12.10%	-16.31%	0.69%	-20.35%
EWA	iShares Australia Index	Asia Pacific Equities	1	-5.82%	9.99%	9.24%	-9.99%	-1.18%	-18.37%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	1	1.15%	1.56%	0.00%	2.03%	-2.81%	-12.24%
VHT	Vanguard Health Care	Health & Biotech Equiti	1	-2.52%	4.51%	7.57%	-6.61%	3.27%	-6.99%
DXJ	Wisdom Tree Japan Hedged Equity	Japan Stock	1	-3.24%	1.11%	3.09%	4.99%	1.64%	-5.44%
EWL	iShares Switzerland Index	Europe Stock	1	-2.16%	11.91%	12.03%	-19.29%	0.25%	-19.73%
VTV	Vanguard Value	Large Cap Value	1	-3.67%	3.56%	9.50%	-4.37%	1.93%	-6.71%
SIL	Global X Silver Miners	Commodity Producers	1	-3.05%	20.33%	8.67%	-22.06%	2.02%	-46.65%
HEDJ	WisdomTree Europe Hedged Equity	Europe Equities	1	-3.46%	6.79%	10.09%	-11.26%	2.26%	-13.46%
IYM	Dow Jones US Basic Mat's	Materials	1	-5.09%	8.40%	10.52%	-10.35%	-1.29%	-18.39%
IXUS	iShares Core MSCI Total International Stock	Global Equities	1	-2.53%	11.50%	10.99%	-17.56%	0.53%	-22.57%
SCZ	iShares MSCI EAFE Small-Cap	Foreign Small & Mid Ca	1	-1.30%	13.36%	13.72%	-22.11%	0.66%	-28.01%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	1	-3.59%	3.81%	10.97%	-8.60%	2.71%	-9.73%
XMLV	PowerShares S&P MidCap Low Volatility Portfolio	Mid Cap Blend Equities	1	-3.01%	4.12%	9.71%	-7.85%	1.53%	-7.98%
NOBL	ProShares S&P 500 Dividend Aristocrats	Large Cap Value Equiti	1	-4.24%	5.59%	9.52%	-7.58%	1.43%	-8.06%
AAXJ	iShares MSCI All Country Asia ex Japan	Asia Pacific	1	-1.38%	15.89%	8.16%	-20.53%	-1.11%	-35.62%
HEWG	iShares Currency Hedged MSCI Germany	Europe Equities	1	-3.38%	8.89%	13.52%	-16.36%	2.61%	-19.31%
VXUS	Vanguard Total International Stock	Global Equities	0	-2.86%	10.96%	10.42%	-17.82%	-0.30%	-22.61%
IVE	S&P 500/BARRA Value	Large Value	0	-3.96%	3.70%	8.75%	-7.05%	1.02%	-8.47%
VIS	Vanguard Industrials	industrials Equities	0	-3.78%	4.39%	10.75%	-9.59%	3.91%	-11.57%
VEU	Vanguard FTSE All-World ex-US	Global Equities	0	-2.88%	11.14%	10.54%	-17.31%	-0.02%	-22.38%
DGRO	iShares Core Dividend Growth	Large Cap Value Equiti	0	-3.98%	5.11%	8.97%	-9.72%	1.15%	-10.49%
EWV	iShares Mexico Index	Latin America Stock	0	-6.92%	-1.68%	10.29%	-0.26%	3.10%	-12.41%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	0	-1.36%	5.99%	8.01%	-12.22%	2.72%	-14.92%
FLOT	iShares Floating Rate Bond	Corporate Bonds	0	0.24%	0.40%	0.20%	-0.89%	0.02%	-1.59%
VAW	Vanguard Materials VIPERS	Materials	0	-5.29%	7.60%	9.80%	-12.94%	-0.51%	-14.08%
VPL	Vanguard Pacific ETF	Asia Pacific Equities	0	-3.21%	10.42%	9.05%	-16.87%	-0.42%	-24.29%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	0	-4.18%	4.01%	8.42%	-9.60%	0.79%	-10.78%
VIG	Vanguard Div. Appreciation	Large Cap Value Equiti	0	-3.87%	5.77%	8.81%	-11.17%	1.64%	-11.40%
FTSM	First Trust Enhanced Short Maturity	Total Bond Market	0	0.10%	0.22%	0.15%	-0.60%	0.00%	-1.30%
EWJ	iShares Japan Index	Japan Stock	0	-2.33%	9.96%	9.04%	-18.06%	0.84%	-25.97%
EFG	iShares MSCI EAFE Growth Index	Foreign Large Cap Equ	0	-3.47%	13.60%	12.50%	-23.11%	1.76%	-25.57%
IYJ	Dow Jones US Industrial	Industrial Equities	0	-4.01%	6.41%	9.86%	-14.11%	2.22%	-49.82%
RPV	Guggenheim S&P 500 Pure Value	Large Value	0	-5.36%	1.24%	6.39%	-3.24%	-1.06%	-11.37%
IFGL	iShares FTSE EPRA/NAREIT Global Real Estate	Global Real Estate	0	0.43%	12.47%	11.23%	-25.61%	-5.69%	-33.14%
DOG	ProShares Short Dow 30	Bear Market	-1	3.49%	-3.90%	-10.23%	4.96%	-3.86%	-62.84%
VCSH	Vanguard Short-Term Corporate Bond	Corporate Bonds	-1	-0.34%	2.16%	1.17%	-7.35%	-0.91%	-9.56%

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EWD	iShares Sweden Index	Europe Stock	-1	-4.37%	14.00%	17.05%	-29.16%	0.58%	-33.55%
VGSH	Vanguard Short-Term Government	Government Bonds	-1	-0.14%	0.89%	0.28%	-4.83%	-0.97%	-7.14%
DEM	WisdomTree Emerg. Mkts Hi-Yld E.	Emerging Mkts Equities	-1	-2.76%	10.74%	5.51%	-16.92%	-3.69%	-28.42%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	-1	-1.31%	10.52%	8.19%	-23.08%	-5.48%	-36.29%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	-1	-3.80%	4.74%	6.88%	-10.38%	0.39%	-10.54%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	-1	-1.51%	9.54%	6.26%	-19.77%	0.62%	-85.78%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	-1	-4.64%	3.09%	7.42%	-9.55%	-0.84%	-11.23%
BSV	Vanguard Short Term Bond	Total Bond Market	-1	-0.36%	1.54%	0.76%	-6.75%	-1.09%	-9.52%
DBJP	Deutsche X-Trackers MSCI Japan Hedged	Japan Equities	-1	-3.75%	-0.26%	1.21%	-2.55%	0.43%	-6.17%
SHY	iShares Lehman 1-3 Year Treasury	Government Bonds	-1	-0.20%	0.84%	0.17%	-4.99%	-1.09%	-6.37%
RWX	SPDR DJ Wil Intern. RE	Real Estate	-1	-0.67%	10.81%	11.18%	-24.58%	-5.51%	-37.72%
BWX	SPDR Lehman Intl Treasury Bond	World Gov Bond	-1	-1.48%	9.49%	7.71%	-19.99%	-1.08%	-28.08%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	-1	-4.68%	3.11%	6.85%	-9.42%	-0.42%	-11.37%
IWD	Russell 1000 Value	Large Value	-1	-4.38%	3.70%	7.03%	-9.49%	-0.19%	-10.86%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	-1	-3.88%	10.04%	10.46%	-22.60%	-2.01%	-28.13%
ACWW	iShares Edge MSCI Min Vol Global	Global Equities	-1	-3.19%	5.10%	5.93%	-11.67%	-0.67%	-11.67%
FNDX	Schwab Fundamental U.S. Large Company Index	Large Cap Value Equiti	-1	-5.05%	3.02%	6.73%	-8.60%	-0.40%	-10.57%
ITB	iShares DJ US Home Construction	Building and Constructi	-1	-1.12%	15.18%	8.42%	-26.42%	6.16%	-26.53%
XLB	Materials Select Sector *	Materials	-1	-5.58%	7.33%	9.84%	-13.66%	-0.59%	-13.66%
FLT	Fidelity Limited Term Bond	Corporate Bonds	-1	-0.27%	1.78%	0.80%	-7.26%	-1.02%	-9.17%
SCHO	Schwab Short-Term U.S. Treasury	Government Bonds	-1	-0.21%	0.84%	0.21%	-5.03%	-1.10%	-6.65%
MUB	iShares S&P National Muni Bond	National Munis	-1	-0.71%	3.93%	2.19%	-9.15%	-0.21%	-10.43%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	-1	-4.84%	3.25%	7.35%	-8.60%	0.61%	-41.54%
XLF	Financial Select Sector *	Financial Equities	-1	-5.01%	2.97%	8.38%	-12.19%	1.30%	-17.21%
PKW	PowerShares Buyback Achievers	All Cap Equities	-1	-4.42%	3.56%	8.95%	-11.19%	2.65%	-12.65%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	-2	-6.15%	1.83%	5.89%	-8.57%	-0.18%	-11.84%
INDA	iShares MSCI India	Emerging Markets Equi	-2	-4.52%	0.14%	2.80%	-7.88%	0.10%	-16.84%
EEM	iShares Emerging Mkts Index	Emerging Mkts Equities	-2	-2.44%	10.65%	5.55%	-21.33%	-2.53%	-33.70%
DON	Wisdom Tree MidCap Div.	Mid-Cap Value	-2	-4.94%	1.10%	4.60%	-6.79%	-0.54%	-59.25%
IEMG	iShares Core MSCI Emerging Markets	Emerging Markets Equi	-2	-2.27%	10.24%	5.67%	-20.87%	-2.38%	-31.80%
IEI	iShares Lehman 3-7 Yr. Treasury	Government Bonds	-2	-1.10%	2.13%	0.87%	-10.51%	-2.10%	-14.13%
EWY	iShares S. Korea Index	Pacific Asia/excl. Japan	-2	-5.27%	9.80%	13.78%	-26.63%	-3.76%	-40.63%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	-2	-4.24%	2.59%	7.42%	-13.94%	5.74%	-61.47%
GVI	iShares Lehman Intern. Govt/Credit	Total Bond Market	-2	-0.92%	1.93%	0.96%	-9.73%	-1.78%	-13.24%
BKLN	PowerShares Exchange-Traded Fund Trust	High Yield Bonds	-2	-1.43%	-0.24%	-0.34%	-6.70%	-1.58%	-11.96%
FV	First Trust VL Dividend	Large Cap Value Equiti	-2	-5.22%	-1.03%	3.76%	-6.16%	1.03%	-10.44%
BBH	VanEck Vectors Biotech	Health & Biotech	-2	-5.42%	2.57%	8.87%	-15.36%	4.68%	-27.40%
VWO	Vanguard Emerging Markets	Emerging Markets Equi	-2	-2.38%	9.43%	4.14%	-20.22%	-3.25%	-30.15%
PHB	PowerShares High Yield Corp Bond	High Yield Bonds	-2	-1.61%	2.14%	2.02%	-11.69%	-0.96%	-12.81%
SHYG	iShares 0-5 Year High Yield Corporate Bond	High Yield Bonds	-2	-1.83%	1.16%	0.96%	-9.76%	-1.70%	-14.89%
VBR	Vanguard SmallCap Value	Small Cap Value	-2	-5.64%	2.17%	5.49%	-10.79%	-0.77%	-14.09%
RSP	Guggenheim S&P Equal Weight	Large Blend	-2	-4.83%	4.44%	6.39%	-12.85%	-0.54%	-13.62%
PZA	Pshares Insured National Munis	National Munis	-2	-1.63%	5.55%	2.13%	-15.16%	-1.41%	-16.42%
IYF	Dow Jones US Financial Sector	Specialty-Financial	-2	-5.19%	2.23%	7.23%	-12.62%	0.94%	-47.18%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
UUP	PowerShares DB US Dollar Bullish	Currency	-2	-1.27%	-8.22%	-7.55%	8.86%	-2.02%	-9.03%
BIV	Vanguard Intermed. Term Bond	Intermediate-Term Bon	-3	-1.66%	3.18%	1.41%	-14.86%	-2.79%	-20.95%
EFZ	ProSharesShort MSCI EAFE	Inverse Equities	-3	1.64%	-12.65%	-13.49%	11.42%	-4.94%	-44.49%
EMB	iShares Emerging Markets Bond	Emerging Market Bond	-3	-3.18%	7.42%	5.91%	-22.05%	-1.57%	-27.94%
VCIT	Vanguard Intermediate-Term Corporate Bond	Corporate Bonds	-3	-1.69%	4.11%	2.15%	-16.13%	-2.40%	-19.93%
GOVT	iShares Core U.S. Treasury Bond	Government Bonds	-3	-1.47%	2.33%	0.35%	-14.54%	-3.05%	-19.43%
FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	-3	-5.35%	2.54%	5.75%	-13.08%	-0.67%	-13.72%
SJNK	SPDR Barclays Short Term High Yield Bond	High Yield Bonds	-3	-2.06%	1.00%	0.54%	-10.76%	-2.18%	-13.89%
SCHR	Schwab Intermediate-Term U.S. Treasury	Government Bonds	-3	-1.46%	2.13%	0.65%	-12.11%	-2.75%	-16.32%
SCHZ	Schwab US Aggregate Bond	Total Bond Market	-3	-1.46%	3.26%	1.35%	-14.86%	-2.88%	-19.38%
MDY	MidCap Trust Series I	Mid-Cap Blend	-3	-5.30%	3.06%	4.93%	-14.08%	-0.15%	-16.24%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	-3	-5.16%	4.75%	5.10%	-17.16%	-1.07%	-17.94%
MOO	VanEck Vectors Agribusiness	Commodity Producers	-3	-6.64%	-0.03%	2.34%	-9.64%	-5.79%	-20.41%
HYS	PIMCO 0-5 Year High Yield Corp Bond	High Yield Bonds	-3	-1.98%	0.89%	0.63%	-9.96%	-1.92%	-12.45%
ACWI	iShares MSCI ACWI	Global Equities	-3	-4.91%	6.15%	5.32%	-19.28%	-2.28%	-20.37%
TOTL	SPDR DoubleLine Total Return Tactical	Total Bond Market	-3	-1.28%	2.60%	0.02%	-15.10%	-3.86%	-20.18%
VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	-3	-0.53%	2.90%	0.40%	-13.73%	-2.01%	-15.53%
BOND	PIMCO Total Return Active Exchange-Traded	Total Bond Market	-3	-0.98%	3.79%	1.40%	-16.98%	-3.47%	-19.75%
VWOB	Vanguard Emerging Markets Gov Bonds	Emerging Markets Bon	-3	-2.85%	7.01%	5.67%	-21.00%	-1.30%	-26.32%
FM	iShares MSCI Frontier 100 Fund	Emerging Markets Equi	-3	-1.42%	9.97%	5.11%	-25.50%	-6.04%	-29.29%
SCHE	Schwab Emerging Markets Equity	Emerging Markets Equi	-3	-3.46%	8.75%	3.10%	-19.04%	-3.26%	-30.75%
DES	Wisdom Tree SmallCap Div.	Small Cap Value	-3	-5.89%	0.56%	6.40%	-12.99%	-2.28%	-66.53%
AGG	iShares Lehman Aggregate Bond	Intermediate-Term Bon	-3	-1.45%	3.29%	1.22%	-14.58%	-2.88%	-18.54%
VT	Vanguard Total World Stock Index	Global Equities	-3	-4.81%	6.13%	5.41%	-19.31%	-2.38%	-20.64%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	-3	-3.39%	-1.72%	0.98%	-7.73%	-0.35%	-9.48%
IWS	Russell MidCap Value	Mid-Cap Value	-3	-5.32%	3.28%	5.14%	-13.59%	-2.07%	-14.43%
IJH	S&P MidCap 400	Mid-Cap Blend	-3	-5.36%	3.03%	4.94%	-14.17%	-0.26%	-16.38%
FXO	1st Trust Financials AlphaDEX	Financial Equities	-3	-6.11%	1.55%	5.51%	-11.02%	-0.47%	-15.28%
IJS	S&P SmallCap 600/BARRA Value	Small Value	-3	-6.13%	0.37%	5.69%	-12.31%	-2.10%	-47.11%
VGIT	Vanguard Intermediate-Term Gov Bonds	Government Bonds	-3	-1.41%	2.18%	0.74%	-11.81%	-2.56%	-17.26%
VFH	Vanguard Financials	Financials Equities	-3	-5.62%	1.52%	6.57%	-14.03%	0.17%	-18.41%
BND	Vanguard Total Bond Market	Intermediate-Term Bon	-3	-1.45%	3.23%	1.18%	-14.88%	-2.90%	-19.38%
VSS	Vanguard FTSE All-Wld ex-US SmCP Idx	Foreign Small & Mid Ca	-3	-4.09%	8.45%	8.31%	-22.69%	-2.69%	-27.07%
FPE	First Trust Preferred Securities and Income	Preferred Stock	-4	-1.52%	2.44%	0.12%	-17.22%	-4.07%	-18.94%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	-4	-5.51%	5.67%	5.07%	-21.32%	-2.69%	-21.72%
PCY	PowerShares Emerging Markets Sovereign Debt P	Emerging Markets Bon	-4	-4.23%	10.01%	7.93%	-28.69%	-1.50%	-39.29%
TIP	iShares TIPS Bond Fd	Inflation-Protected Bon	-4	-2.39%	1.72%	1.21%	-17.37%	-5.68%	-18.42%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	-4	-6.32%	1.73%	6.64%	-18.28%	-1.00%	-22.49%
HYG	iShares Lehman Hi-Yield Corp.	High Yield Bond	-4	-2.71%	1.62%	0.77%	-15.45%	-3.01%	-17.31%
BNDX	Vanguard Total International Bond	Total Bond Market	-4	-3.37%	-0.19%	-0.33%	-13.69%	-3.79%	-19.60%
IEF	iShares Lehman 7-10 Yr Treasury	Government Bonds	-4	-2.34%	2.73%	0.51%	-16.37%	-4.01%	-21.84%
VTIP	Vanguard Short-Term Inflation-Protected Securities	Inflation-Protected Bon	-4	-2.93%	-1.54%	-1.72%	-9.07%	-5.26%	-11.48%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	-4	-5.76%	3.17%	3.61%	-18.38%	-2.17%	-69.77%
EWC	iShares Canada Index	Foreign Large Cap Equ	-4	-6.86%	1.98%	3.78%	-14.18%	-5.21%	-18.89%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
MTUM	iShares Edge MSCI USA Momentum Factors	All Cap Equities	-4	-3.99%	0.66%	6.25%	-19.73%	1.19%	-24.67%
LQD	iShares iBoxx \$ Liquid Invest. Gr.	Corporate Bonds	-4	-2.45%	5.13%	2.56%	-19.94%	-3.15%	-23.75%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	-4	-6.50%	1.20%	5.79%	-16.66%	-3.51%	-20.61%
BAB	PowerShares Build America Bond Portfolio	National Munis	-5	-1.56%	4.37%	0.43%	-21.69%	-4.47%	-25.49%
VV	Vanguard LargeCap	Large Cap Blend	-5	-6.10%	3.02%	2.15%	-21.02%	-4.08%	-21.28%
VTI	Total Stock Market VIPERs	All Cap Equities	-5	-6.12%	2.76%	2.08%	-20.61%	-3.93%	-21.11%
FTGC	First Trust Global Tactical Commodity Strategy	Commodities	-5	-9.07%	-8.56%	-8.38%	5.68%	-10.53%	-22.54%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	-5	-5.94%	3.37%	2.73%	-19.30%	-3.67%	-19.79%
VO	Vanguard Mid-Cap	Mid-Cap Blend	-5	-5.72%	3.12%	3.71%	-19.60%	-2.47%	-21.58%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	-5	-5.88%	2.65%	3.02%	-18.15%	-2.35%	-21.06%
VCLT	Vanguard Long-Term Corporate Bond	Corporate Bonds	-5	-3.74%	7.53%	3.24%	-27.72%	-4.96%	-32.28%
SCHP	Schwab U.S. TIPs	Inflation-Protected Bon	-5	-2.81%	0.84%	0.04%	-17.47%	-6.45%	-18.77%
VB	Vanguard SmallCap	Small Cap Blend	-5	-6.19%	1.29%	1.90%	-18.58%	-2.83%	-23.12%
FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	-5	-7.02%	4.42%	5.15%	-22.31%	-1.21%	-26.49%
SPY	SPDR S&P 500	Large Cap Blend	-5	-5.88%	3.35%	2.74%	-19.27%	-3.58%	-19.73%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	-5	-3.41%	10.91%	3.41%	-28.99%	1.40%	-29.40%
IWN	Russell 2000 Value	Small Value	-5	-6.45%	-0.80%	3.05%	-16.15%	-4.03%	-21.29%
ITOT	iShares Core S&P Total U.S. Stock Market	All Cap Equities	-5	-6.07%	2.83%	2.14%	-20.56%	-3.93%	-21.04%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	-5	-5.10%	-2.03%	-1.30%	-11.27%	-3.06%	-26.89%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	-5	-5.82%	2.74%	2.43%	-19.48%	-1.08%	-73.29%
IYT	Dow Jones Transportation	Transportation Equities	-5	-7.36%	3.60%	4.49%	-22.13%	-4.42%	-23.10%
IWV	Russell 3000 Index	All Cap Equities	-5	-6.09%	2.78%	2.07%	-20.31%	-3.90%	-20.77%
IJR	S&P Sm.Cap 600	Small Blend	-5	-6.54%	0.65%	3.66%	-16.98%	-2.63%	-20.99%
GSLC	Goldman Sachs ActiveBeta U.S. Large CaP	Large Cap Blend Equiti	-5	-5.84%	3.19%	2.79%	-19.73%	-3.29%	-20.13%
INDY	iShares S&P India Nifty 50 Index Fund	Emerging Markets Equi	-5	-7.44%	-2.04%	0.59%	-9.58%	-2.01%	-20.31%
IVV	S&P 500	Large Blend	-5	-5.90%	3.34%	2.73%	-19.28%	-3.64%	-19.76%
IWB	Russell 1000 Index	Large Blend	-5	-6.00%	3.14%	2.24%	-20.20%	-3.83%	-20.71%
ASHR	Deutsche X-Trackers China A-Shares	China Equities	-5	-0.75%	10.03%	-0.36%	-28.45%	-6.37%	-39.72%
JNK	Barclays Cap. High Yield Bond	High Yield Bond	-5	-2.82%	1.30%	0.41%	-17.16%	-3.87%	-72.31%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	-5	-3.92%	5.33%	6.89%	-27.24%	-8.62%	-27.27%
RWR	Wilshire REIT Fund	Real Estate	-6	-5.41%	2.66%	5.21%	-28.25%	-10.10%	-28.25%
TLH	iShares Lehman 10-20 Yr Treasury	Government Bonds	-6	-3.48%	5.17%	0.62%	-26.50%	-6.60%	-36.70%
IYR	Dow Jones US Real Estate	Real Estate	-6	-4.68%	4.13%	5.43%	-26.91%	-8.95%	-26.91%
ICF	Cohen & Steers Realty	Real Estate	-6	-4.42%	4.20%	5.17%	-27.29%	-9.57%	-56.08%
BLV	Vanguard Long Term Bond	Long-Term Bond	-6	-3.93%	6.31%	1.33%	-28.94%	-6.47%	-37.77%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	-6	-6.74%	1.36%	1.78%	-21.64%	-2.93%	-47.97%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	-6	-0.99%	2.03%	-0.48%	-26.52%	2.39%	-52.72%
CWB	SPDR Barclays Convertible Securities	Convertible Bonds	-7	-3.97%	0.64%	-2.01%	-22.43%	-4.54%	-30.21%
IWM	Russell 2000	Small Blend	-7	-6.48%	-0.82%	0.65%	-21.40%	-3.85%	-27.91%
VNQ	Vanguard REIT Index	Real Estate	-7	-5.47%	3.13%	4.70%	-28.39%	-10.16%	-28.39%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	-8	-6.93%	3.07%	-0.24%	-29.15%	-4.35%	-32.13%
IWP	Russell MidCap Growth	Mid-Cap Growth	-8	-6.59%	2.79%	0.78%	-27.13%	-2.36%	-31.89%
IYZ	Down Jones US Telecom	Commun. Equities	-8	-5.28%	1.96%	2.70%	-31.91%	-9.85%	-38.67%
KBE	SPDR S&P Bank	Specialty-Financial	-8	-7.71%	-3.49%	-2.66%	-16.81%	-4.14%	-24.86%

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PEZ	PowerShares Consumer Cyclical	All Cap Equities	-8	-5.41%	0.44%	3.41%	-29.95%	-3.07%	-37.43%
XLK	Technology Select *	Technology Equities	-8	-8.48%	4.87%	-1.06%	-28.33%	-7.44%	-29.46%
PGF	PowerShares Fin. Preferred Portf.	Specialty-Financial	-8	-6.12%	1.41%	-4.06%	-23.43%	-6.94%	-26.22%
PFF	iShares S&P Preferred Stock	Preferred Stock/Conver	-8	-5.29%	1.43%	-3.64%	-22.77%	-7.50%	-24.40%
SMH	VanEck Vectors Semiconductor	Technology Equities	-8	-10.25%	11.39%	1.59%	-34.02%	-6.95%	-35.64%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	-8	-6.65%	-0.75%	0.86%	-23.85%	-5.91%	-31.80%
TLT	iShares 20+ Treas. Bd	Government Bonds	-8	-4.80%	5.06%	-1.27%	-32.06%	-9.07%	-41.32%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	-9	-7.13%	-1.36%	-1.10%	-24.62%	-3.22%	-29.41%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	-9	-7.69%	3.28%	-2.89%	-29.38%	-7.91%	-30.29%
PGX	PowerShares Preferred Portfolio	Preferred Stock/Conver	-9	-6.83%	0.90%	-5.65%	-25.40%	-8.88%	-27.67%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	-9	-7.83%	3.25%	-3.23%	-29.96%	-8.34%	-30.92%
SPYG	S&P 500 Growth	Large Cap Growth	-9	-7.84%	3.21%	-3.26%	-29.97%	-8.36%	-30.93%
IWO	Russell 2000 Growth	Small Growth	-9	-6.32%	-1.07%	-1.56%	-26.65%	-3.54%	-36.15%
IVW	S&P 500/BARRA Growth	Large Growth	-9	-7.80%	3.30%	-3.22%	-29.96%	-8.33%	-30.90%
ILF	iShares S&P 40 Latin America	Latin America Stock	-9	-10.92%	-11.84%	-10.75%	-1.58%	-8.49%	-41.54%
IWF	Russell 1000 Growth	Large Growth	-9	-7.75%	2.36%	-2.52%	-29.70%	-7.58%	-30.59%
VGT	Vanguard Info Technology	Technolgy Equities	-9	-8.47%	4.25%	-2.07%	-30.25%	-7.96%	-31.44%
KRE	SPDR S&P Region.Banking	Specialty-Financial	-9	-7.98%	-4.76%	-4.52%	-16.78%	-5.21%	-25.16%
SOXX	iShares PHLX SOX Semiconductor Sector Index	Technology Equities	-9	-9.59%	10.76%	0.48%	-35.78%	-7.92%	-37.31%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	-9	-6.92%	0.09%	-1.07%	-27.17%	-5.58%	-33.41%
IHDG	WisdomTree International Hedged Dividend Growt	Foreign Large Cap Equi	-9	-10.97%	-3.18%	-2.90%	-20.92%	-7.68%	-22.09%
REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	-9	-6.02%	1.58%	-1.21%	-29.94%	-14.07%	-30.61%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-9	-7.87%	2.07%	-0.87%	-28.04%	-4.53%	-31.34%
VBK	Vanguard SmallCap Growth	Small Cap Growth	-10	-6.78%	0.16%	-2.83%	-28.77%	-5.59%	-34.36%
EWZ	iShares Brazil Index	Latin America Stock	-10	-9.80%	-14.80%	-14.30%	0.32%	-9.78%	-41.83%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	-11	-9.29%	2.28%	-4.76%	-33.03%	-10.35%	-34.05%
DBEF	Deutsche X-Trackers MSCI EAFE Hedged	Foreigh Large Cap Equi	-11	-14.26%	-7.73%	-5.41%	-16.70%	-8.97%	-18.10%
VUG	Vanguard Growth	Large Cap Growth	-11	-8.60%	2.51%	-4.76%	-33.41%	-9.81%	-34.38%
IYW	Dow Jones US Technology	Technology Equities	-11	-8.80%	5.39%	-4.57%	-35.09%	-10.83%	-36.35%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	-11	-8.98%	6.93%	8.69%	-49.42%	-19.85%	-49.42%
EDV	Vanguard Extended Duration Treasury	Government Bonds	-11	-6.93%	6.47%	-1.96%	-40.06%	-12.25%	-52.95%
XRT	SPDR S&P Retail *	Consumer Discretionar	-11	-9.18%	-1.07%	1.11%	-33.24%	-6.96%	-42.13%
IGV	iShares North American Tech-Software	Technology Equities	-11	-6.75%	4.34%	-4.10%	-35.54%	-8.52%	-42.59%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	-11	-8.90%	2.43%	-5.53%	-33.86%	-10.65%	-34.75%
ZROZ	PIMCO 25 Yr Zero Coupon US Treas Idx Exchg-Tr	Government Bonds	-12	-7.52%	6.10%	-3.32%	-41.74%	-13.72%	-53.30%
VOX	Vanguard Telecom Serv's	Communication Equitie	-12	-7.90%	3.64%	-4.64%	-39.38%	-13.46%	-45.45%
IYC	iShares US Consumer Services	Consumer Discretionar	-13	-9.81%	-2.53%	-5.61%	-32.14%	-9.38%	-79.42%
PIN	PowerShares India Portfolio	Emerging Markets Equi	-14	-16.58%	-12.01%	-9.54%	-19.51%	-11.59%	-59.22%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	-15	-10.95%	-3.64%	-9.51%	-35.57%	-12.99%	-38.28%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	-15	-6.02%	3.12%	2.19%	-60.24%	-3.97%	-60.50%
SCHH	Schwab U.S. REIT	Real Estate	-15	-4.61%	3.74%	5.54%	-63.12%	-9.21%	-63.12%
SCHB	Schwab U.S. Broad Market	All Cap Equities	-15	-6.07%	2.86%	2.16%	-60.26%	-3.89%	-60.50%
HEZU	iShares Currency Hedged MSCI Eurozone	Europe Equities	-15	-18.59%	-9.63%	-6.09%	-24.99%	-11.45%	-27.48%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	-16	-6.21%	0.54%	1.83%	-60.35%	-3.16%	-63.14%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD %M/A	DD%	
XLY	Consumer Discretionary Sec.*	Consumer Discretionar	-16	-11.39%	-5.02%	-11.09%	-36.65%	-14.68%	-38.74%
HEFA	iShares Currency Hedged MSCI EAFE	Foreign Large Cap Equ	-17	-19.46%	-13.29%	-11.38%	-22.45%	-14.17%	-24.58%
EWT	iShares Taiwan Index	Pacific Asia/excl. Japan	-18	-19.90%	-2.40%	-9.59%	-38.97%	-19.19%	-40.02%
UNG	U.S. Natural Gas Fund	Oil & Gas	-19	-30.33%	-23.87%	-39.01%	16.41%	-40.01%	-83.54%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	-19	-8.38%	1.81%	-4.94%	-66.00%	-9.59%	-66.62%
RSX	Market Vectors Russia	Emerging Markets Equi	-20	0.00%	0.00%	0.00%	-78.81%	0.00%	-83.05%
HEWJ	iShares Currency Hedged MSCI Japan	Japan Equities	-32	-33.01%	-30.79%	-29.80%	-32.42%	-28.11%	-35.82%