

HV Domestic ETFs as of 12/13/2018

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	1	-0.14%	2.49%	-1.81%	3.33%	2.35%	-2.22%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	0	-0.59%	0.38%	-3.39%	5.15%	2.02%	-3.61%
XMLV	PowerShares S&P MidCap Low Volatility Portfolio	Mid Cap Blend Equities	0	-1.38%	0.69%	-4.24%	3.64%	0.04%	-4.84%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	-3	-2.74%	-2.92%	-7.78%	-0.45%	-1.82%	-8.09%
SPYG	S&P 500 Growth	Large Cap Growth	-3	-1.82%	-3.73%	-9.59%	4.82%	-3.05%	-9.85%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	-3	-1.78%	-4.67%	-10.62%	6.00%	-4.24%	-11.59%
IVW	S&P 500/BARRA Growth	Large Growth	-3	-1.87%	-3.71%	-9.50%	4.89%	-2.99%	-9.84%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	-3	-2.05%	-3.86%	-9.86%	4.18%	-3.45%	-10.05%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	-3	-2.17%	-4.04%	-9.94%	4.50%	-3.41%	-10.17%
VTV	Vanguard Value	Large Cap Value	-4	-2.97%	-2.93%	-8.21%	-2.37%	-2.67%	-8.35%
IWF	Russell 1000 Growth	Large Growth	-4	-2.38%	-4.83%	-11.02%	2.96%	-4.36%	-11.32%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	-4	-2.68%	-5.05%	-10.88%	3.38%	-4.36%	-11.12%
SPY	SPDR S&P 500	Large Cap Blend	-4	-2.80%	-3.99%	-9.61%	-0.56%	-3.72%	-9.61%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	-4	-2.78%	-4.00%	-9.59%	-0.57%	-3.76%	-9.59%
VUG	Vanguard Growth	Large Cap Growth	-4	-2.48%	-5.12%	-11.29%	1.42%	-5.14%	-11.66%
IWB	Russell 1000 Index	Large Blend	-4	-2.88%	-4.14%	-9.97%	-1.00%	-4.19%	-9.97%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-4	-2.05%	-4.31%	-12.05%	0.92%	-7.10%	-12.81%
IVV	S&P 500	Large Blend	-4	-2.81%	-4.05%	-9.64%	-0.60%	-3.77%	-9.64%
VV	Vanguard LargeCap	Large Cap Blend	-4	-2.78%	-3.99%	-9.68%	-0.60%	-3.87%	-9.68%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	-4	-2.42%	-5.34%	-11.15%	1.97%	-4.98%	-11.79%
GSLC	Goldman Sachs ActiveBeta U.S. Large CaP	Large Cap Blend Equiti	-4	-3.14%	-4.25%	-9.99%	-0.06%	-4.24%	-9.99%
MTUM	iShares Edge MSCI USA Momentum Factores	All Cap Equities	-4	-2.05%	-4.04%	-10.60%	2.69%	-4.57%	-11.47%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	-5	-3.30%	-4.36%	-10.49%	-1.68%	-4.35%	-10.68%
IWP	Russell MidCap Growth	Mid-Cap Growth	-5	-3.15%	-4.33%	-12.62%	-1.17%	-6.52%	-13.27%
IWV	Russell 3000 Index	All Cap Equities	-5	-3.25%	-4.43%	-10.45%	-1.40%	-4.69%	-10.45%
RSP	Guggenheim S&P Equal Weight	Large Blend	-5	-3.63%	-3.94%	-10.50%	-3.87%	-5.27%	-10.55%
SCHB	Schwab U.S. Broad Market	All Cap Equities	-5	-3.59%	-4.91%	-10.90%	-1.80%	-5.15%	-10.90%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	-5	-3.34%	-4.57%	-10.26%	-1.14%	-4.46%	-10.26%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	-5	-3.94%	-4.44%	-9.98%	-3.09%	-4.17%	-10.33%
VTI	Total Stock Market VIPERs	All Cap Equities	-5	-3.09%	-4.42%	-10.48%	-1.30%	-4.67%	-10.48%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	-5	-2.50%	-3.94%	-11.65%	-1.06%	-6.05%	-12.06%
ITOT	iShares Core S&P Total U.S. Stock Market	All Cap Equities	-5	-3.12%	-4.44%	-10.48%	-1.37%	-4.72%	-10.48%
IWD	Russell 1000 Value	Large Value	-5	-3.43%	-3.46%	-8.88%	-5.20%	-4.09%	-10.39%
IVE	S&P 500/BARRA Value	Large Value	-6	-3.94%	-4.36%	-9.64%	-6.35%	-4.61%	-11.66%
FNDX	Schwab Fundamental U.S. Large Company Index	Large Cap Value Equiti	-6	-4.40%	-5.63%	-10.88%	-4.22%	-5.36%	-10.97%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	-6	-3.86%	-5.16%	-10.51%	-4.87%	-5.33%	-10.57%
VO	Vanguard Mid-Cap	Mid-Cap Blend	-6	-3.78%	-4.60%	-11.81%	-5.18%	-7.01%	-11.88%
PKW	PowerShares Buyback Achievers	All Cap Equities	-6	-4.94%	-4.42%	-10.52%	-5.76%	-4.76%	-12.12%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	-6	-4.00%	-3.96%	-9.51%	-5.10%	-4.45%	-10.55%
VBK	Vanguard SmallCap Growth	Small Cap Growth	-7	-3.83%	-7.09%	-15.10%	-0.69%	-8.43%	-15.93%
FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	-7	-3.86%	-5.53%	-12.23%	-5.48%	-7.36%	-12.23%

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IWS	Russell MidCap Value	Mid-Cap Value	-7	-4.00%	-4.98%	-11.64%	-8.56%	-7.34%	-12.18%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	-7	-5.46%	-6.47%	-16.56%	0.72%	-9.06%	-18.03%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	-7	-3.92%	-6.91%	-14.48%	-1.61%	-8.33%	-15.45%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	-8	-4.65%	-6.72%	-14.82%	-5.26%	-9.35%	-15.43%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	-8	-4.96%	-5.13%	-11.95%	-8.65%	-7.85%	-13.47%
IJH	S&P MidCap 400	Mid-Cap Blend	-8	-5.51%	-6.45%	-14.09%	-7.36%	-9.18%	-14.23%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	-8	-4.76%	-5.98%	-14.33%	-6.17%	-9.42%	-14.86%
VB	Vanguard SmallCap	Small Cap Blend	-8	-4.91%	-6.75%	-14.80%	-4.98%	-9.06%	-15.31%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	-8	-5.11%	-6.10%	-13.77%	-5.14%	-8.04%	-13.99%
MDY	MidCap Trust Series I	Mid-Cap Blend	-8	-5.57%	-6.50%	-14.04%	-7.17%	-9.09%	-14.15%
VBR	Vanguard SmallCap Value	Small Cap Value	-9	-5.78%	-6.49%	-14.46%	-8.31%	-9.54%	-14.83%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	-9	-5.66%	-7.59%	-13.46%	-7.57%	-8.34%	-13.54%
IWM	Russell 2000	Small Blend	-9	-5.81%	-7.89%	-16.62%	-6.36%	-11.08%	-17.48%
IWN	Russell 2000 Value	Small Value	-9	-6.22%	-7.48%	-15.29%	-8.47%	-10.67%	-16.05%
IJR	S&P Sm.Cap 600	Small Blend	-9	-6.78%	-7.97%	-17.34%	-4.30%	-11.05%	-18.60%
IWO	Russell 2000 Growth	Small Growth	-9	-5.43%	-8.38%	-17.84%	-4.36%	-11.41%	-18.96%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	-9	-6.17%	-6.88%	-13.66%	-8.22%	-8.70%	-13.80%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	-10	-6.24%	-8.26%	-16.79%	-7.61%	-11.30%	-17.63%
RPV	Guggenheim S&P 500 Pure Value	Large Value	-10	-7.23%	-8.26%	-14.10%	-9.02%	-9.30%	-15.18%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	-10	-7.59%	-8.57%	-14.76%	-8.64%	-9.83%	-14.93%
IJS	S&P SmallCap 600/BARRA Value	Small Value	-11	-7.80%	-9.40%	-17.94%	-9.00%	-12.84%	-19.34%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	-13	-5.91%	-9.37%	-16.96%	-17.91%	-14.91%	-23.11%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	-59	-3.62%	-76.17%	-78.00%	-76.32%	-73.29%	-78.00%