MLTrader Compared to SPY

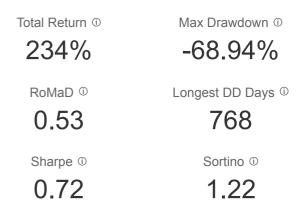
4 Feb, 2020 - 30 Dec, 2023

Benchmark is SPY | Generated by QuantStats (v. 0.3.3)



Annual Return ①

36.24%



Parameters Used

Matric

Parameter	Value
symbol	SPY
cash_at_risk	0.5

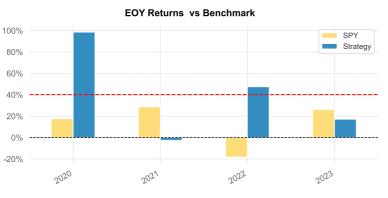
SDV

Stratony

Key Performance Metrics

Metric	5P1	Strategy
Risk-Free Rate	5.21%	5.21%
Time in Market	69.0%	38.0%
Total Return	56%	234%
CAGR% (Annual Return)	12.14%	36.24%
Sharpe	0.39	0.72
RoMaD	0.36	0.53
Corr to Benchmark	1.0	-0.21
Prob. Sharpe Ratio	22.94%	34.38%
Smart Sharpe	0.37	0.68
Sortino	0.55	1.22
Smart Sortino	0.52	1.15
Sortino/√2	0.39	0.86
Smart Sortino/√2	0.36	0.81
Omega	1.25	1.25





Distribution of Monthly Returns

SPY

708

0.05

0.03

0.36

-0.57

16.09

0.03%

0.96%

11.83%

-1.92%

-1.92%

4.57%

11.64%

9.33%

26.21%

25.88%

10.67%

12.14%

12.14%

12.14%

9.06%

12.7%

-10.94%

-12.44%

28.77%

-18.16%

-2.17%

22

1.63

0.1

0.29

5.31%

-3.9%

766.73

Avg. Down Month

Win Days

-33.68%

22.79%

Strategy

-68.94%

59.61%

768

0.05

0.03

0.53

2.97

44.13

0.08%

2.6%

35.23%

-5.0%

-5.0%

59.06%

1.95%

21.59%

17.15%

17.15%

19.59%

36.24%

36.24%

36.24%

37.47%

-26.38%

87.58%

-44.83%

98.55%

-19.36%

116

2.71

0.31

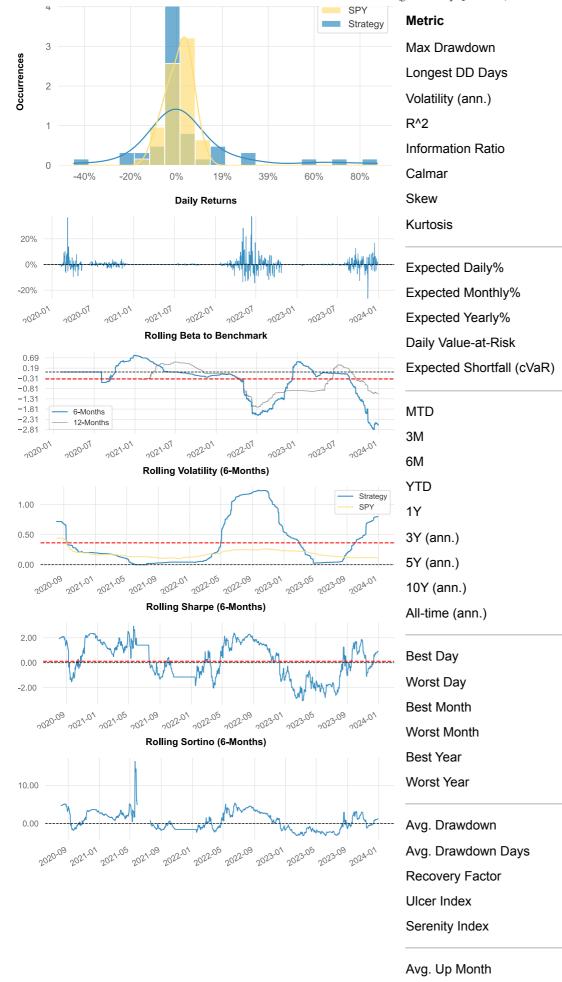
0.35

13.78%

-8.6%

730.2

-2.5%





Metric	SPY	Strategy
Loss Days	659.27	695.8
Win Days%	53.77%	51.21%
Win Month%	63.83%	47.22%
Win Quarter%	68.75%	50.0%
Win Year%	75.0%	75.0%
Beta	-	-0.56

			U	Inderwate	er Plot			
0% -	- VM				П	Λ		
-20%	\	~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V-4		
-40%						Y 1		W
-60%								h)
2020-0	2020-07	2021-01	2021-07	2022-01	2022-07	2023-01	2023-07	2024-01

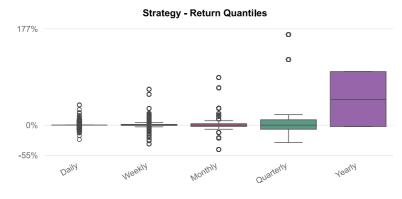
Alpha	-	0.56
Correlation	-	-21.29%
Treynor Ratio	-	-411.65%

EOY Returns vs Benchmark

Worst 10 Drawdowns

2020	0.00	30.82	68.68	-23.87	-5.98	4.48	5.74	8.08	-3.85	-3.01	11.39	1.35
2021	0.00	0.00	0.00	0.00	0.00	0.00	-0.22	-1.69	2.53	-3.06	0.00	0.00
2022	0.48	1.03	-13.54	21.00	17.48	87.58	2.69	-13.60	-23.20	- 7.53	0.00	0.00
2023	-1.51	-1.00	0.00	-0.55	-0.41	-0.22	-2.34	-6.92	31.21	16.17	- 44.83	59.06
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

Year	SPY	Strategy	Multiplier	Won
2020	17.60%	98.55%	5.60	+
2021	28.77%	-2.50%	-0.09	-
2022	-18.16%	47.47%	-2.61	+
2023	26.21%	17.15%	0.65	-



Started	Recovered	Drawdown	Days
2022-08-16	2023-12-30	-68.94%	502
2022-06-19	2022-08-13	-38.16%	56
2020-03-24	2022-04-30	-32.14%	768
2022-05-19	2022-06-11	-31.94%	24
2022-05-12	2022-05-17	-20.83%	6
2022-05-03	2022-05-04	-16.81%	2
2020-03-01	2020-03-07	-11.40%	7
2020-03-12	2020-03-14	-5.17%	3
2020-02-05	2020-02-22	-3.67%	18
2020-03-18	2020-03-21	-2.00%	4

Disclaimer: This report is for informational purposes only and should not be considered as investment advice. Past performance is not indicative of future results.