1. Data Overview

Company:	First Solar (FSLR)
CIK:	0001274494
Analysis Period:	2016-02-01 to 2026-01-30 (~10.0 years)
Trading Days:	2,514
Latest Close:	$225.52

2. Methodology

Risk Metrics (CFA/Basel Standards):

- **Sharpe Ratio:** (Annualized Return - Rf) / Volatility (Rf = 0%)
- **Sortino Ratio:** Annualized Return / Downside Deviation
- **VaR (95%, 99%):** Historical percentile of daily returns
- **Max Drawdown:** Largest peak-to-trough decline in cumulative returns
- **Volatility:** Standard deviation of daily returns × √252 (annualized)

3. Risk Metrics Summary

Metric	Value	Interpretation
Total Return (10.0Y)	+226.2%	Cumulative appreciation
Annualized Return	+12.6%	Geometric mean annual
Volatility	50.2%	Annualized std dev
Sharpe Ratio	0.25	Risk-adjusted return
Sortino Ratio	0.38	Downside risk-adjusted
Max Drawdown	-64.0%	Peak-to-trough

4. Return Distribution

Metric	Value
Positive Days	50.1%
Best Day	+26.48%
Worst Day	-17.89%
VaR (95%)	-4.44%
VaR (99%)	-8.48%

5. SEC EDGAR Financial Data

Metric	Value	Period End	Form	Accession
Revenue	$4.2B	2024-12-31	10-K	0001274494-25-000010
Net Income	$1.3B	2024-12-31	10-K	0001274494-25-000010
Total Assets	$12.1B	2024-12-31	10-K	0001274494-25-000010
Total Liabilities	$4.1B	2024-12-31	10-K	0001274494-25-000010
Stockholders Equity	$8.0B	2024-12-31	10-K	0001274494-25-000010
Operating Income	$1.4B	2024-12-31	10-K	0001274494-25-000010
Cash	$1.6B	2024-12-31	10-K	0001274494-25-000010
Eps	$12.07	2024-12-31	10-K	0001274494-25-000010

Data Sources (100% Verifiable - NO SIMULATION):
• **SEC EDGAR:** https://data.sec.gov/api/xbrl/companyfacts/CIK0001274494.json
• **Stock Data:** Yahoo Finance (FSLR)
Anyone can verify these numbers by querying the APIs directly.

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