

INDEX DETAILS

Index Engineer	Truflation
Ticker	TruEV
Update Frequency	Daily (23:59 UTC)
Data Providers	GFEX, CME, NYMEX & SMM
Geography	Global
Start Date	January 1, 2018
Rebalance Frequency	Annually
Last Rebalance Date	February 5, 2026
Methodology	View Documentation

INDEX COMPOSITION

The index first assigns a metal volume to each EV type, multiplying these quantities by current commodity prices to capture the monetary value of materials embedded in the production of the battery of a single EV vehicle. Each EV type's global production is then incorporated to ensure the index reflects real world production patterns. The weighted metal intensities across all EV types are aggregated to calculate the total EV metal cost, forming the index. A scaling factor is applied during rebalancing and structural adjustments to maintain continuity and consistency across the historical series. The total weights of each metal type are as follows:

Nickel	11.9%
Copper	84.8%
Cobalt	1.5%
Palladium	0.0%
Lithium	1.8%
Platinum	0.0%

ABOUT TRUFLATION

Truflation is the real-time truth layer for macro markets. We provide investors with actionable, high frequency trading signals built on transparent, independently verified economic data. Instead of waiting 30-60 days for government releases, our users get daily insights across 200+ indexes; inflation, housing, consumer categories, and more, all derived from real market prices, cross-checked across multiple sources, and published on chain for transparency. AI helps us process millions of data points so enterprises can access clean, audited, ready to use signals through our API.

EXECUTIVE SUMMARY

The Truflation Electric Vehicle Commodity Index (TruEV) tracks the key commodities essential to electric vehicle production by linking EV output with the raw materials required for their batteries. It covers four EV categories; Battery Electric Vehicles (BEVs), Hybrid Electric Vehicles (HEVs), Plug-in Hybrids (PHEVs), and Fuel Cell EVs (FCEVs) and focuses on critical metals including Nickel, Cobalt, Copper, Palladium, Platinum and Lithium. Commodity prices are sourced from global exchanges, research providers, and direct manufacturer inputs to ensure accuracy.

The index uses a dynamic annual weight recalibration, reflecting vehicle type production shares and metal intensity per vehicle allowing it to adapt to market changes in the commodity prices. TruEV provides a transparent, institutionally governed benchmark for analyzing EV production trends, supply dynamics and commodity demand, supporting investors, manufacturers and policymakers in navigating the evolving EV ecosystem.

HISTORICAL PERFORMANCE (1Y)



KEY FEATURES

Real Time Commodity Data Collection

Truflation's EV Commodity Index tracks the daily price feeds of essential materials used in the EV production: lithium, cobalt, nickel, copper, palladium, and platinum that are sourced from top-tier exchanges.

Dynamic & Comprehensive Weighting

Weights are recalculated based on the metal intensity per EV type (BEV, HEV, PHEV, FCEV). Then the index is weighted based on the market share of each EV type that allows it to evolve based on real market conditions, accurately reflecting commodity demand from the EV sector.

Production Driven, Fundamentals Based Weighting

Weights are derived from real-world EV production data, metal intensity per vehicle, and market prices. This ensures the index reflects actual material usage rather than purely financial market capitalization or subjective assumptions.

Insights into cost pressures and Inflation Trends

By tracking the price movements of EV-related commodities, the index provides valuable insight into input-cost inflation faced by EV manufacturers and supply-chain participants.

BENEFITS

Accurate, Fundamentals-Based Measurement

Uses production data, metal intensity, and commodity prices to reflect true economic exposure; offering a more realistic benchmark than purely financial or market-cap based approaches.

Exposure to EV Dynamics

Provides targeted exposure to key commodities that underpin EV production, linking manufacturing directly to raw materials that enable batteries, drivetrains & fuel cells.

Actionable Signal on Cost Pressures

The index serves as a credible benchmark for performance evaluation, research, and comparative analysis across EV-related investment strategies and products.