

EBAY OFFLINE SILVER MONITOR

Configuration Reference

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Purpose

Single source of truth for scan paths, market assumptions, filtering (positive + negative), EMA capture hygiene, PROS tuning, and email delivery. This document is a reader-friendly index so you can ask questions by number and tune intentionally without UX drift.

Quick redundancy vetting

- **NUMISMATIC_PAYOUT_PCT** vs **PROS_MIN DEALER_MARGIN_PCT**: payout is the dealer-value floor (value model); dealer-margin is the alert gate (decision threshold).
- **MIN_MARGIN_PCT** (HIT rec-max) vs **PROS_MIN DEALER_MARGIN_PCT**: HIT margin is pawn/melt-based bidding discipline; PROS margin is numismatic dealer-exit discipline (except Cat-3 override).
- **MAX_TIME_HOURS** vs **PRICE_CAPTURE_MAX_MINUTES** vs **PROS_CAT3_MAX_MINUTES**: HIT horizon, EMA sampling horizon, and Cat-3 urgency window are different clocks.
- **DEFAULT_BLACKLIST** vs **PROS_DISQUALIFY_KEYWORDS** vs **PRICE_CAPTURE_DISQUALIFY_KEYWORDS**: global early excludes vs PROS-only hygiene vs EMA-only hygiene.
- **EBAY_NET_PAYOUT_PCT** vs payout floors: currently informational; does not change floors unless explicitly wired.

Table of Contents

Placeholder for table of contents	0
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1. File System and State

Paths and persistent state files.

#	Constant	What it does (brief)
1.1	HTML_FOLDER_PATH	Folder containing saved eBay HTML pages to scan.
1.2	PRICE_STORE_PATH	JSON file storing EMA benchmarks (offline market memory).
1.3	SEEN_HITS_PATH	JSON file storing hit dedupe keys (prevents repeat alerts).

2. Core Market Configuration

Melt and numismatic floor assumptions used for HIT rec-max math.

#	Constant	What it does (brief)
2.1	SPOT_PRICE	Silver spot price used for melt calculations.
2.2	PAWN_PAYOUT_PCT	Guaranteed melt exit reference (pawn/local dealer).
2.3	NUMISMATIC_PAYOUT_PCT	Guaranteed numismatic exit reference vs FMV floor.
2.4	BID_OFFSET	Flat adjustment applied to recommended max bid (item-only).
2.5	MIN_MARGIN_PCT	Minimum margin used for HIT rec-max / profit-at-max.
2.6	MAX_MARGIN_PCT	Upper margin bound shown in output (range display).
2.7	MAX_TIME_HOURS	Only consider listings ending within this many hours.
2.8	DEFAULT_MIN_QUANTITY	Default min quantity inferred from titles (None disables).
2.9	DEFAULT_BLACKLIST	Global blacklist terms applied early (user-wide).

3. File Selection

Determines which offline HTML files are treated as “silver market” pages.

#	Constant	What it does (brief)
3.1	SILVER_FILENAME_KEYWORDS	Filename keywords that qualify pages for scanning.

4. Positive Page-Sanity Filtering

Keeps off-topic listings from entering valuation/prospect logic.

#	Constant	What it does (brief)
4.1	POSITIVE_REQUIRED_TERMS_RULE	Mapping of page filename patterns to required title terms (AND-of-OR groups).
4.2	DELETE_PROCESSED_HTML	Delete HTML files after processing (only if listings parsed).

5. Monitor Loop Timing

Scan cadence and jitter.

#	Constant	What it does (brief)
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5.1	DEFAULT_CHECK_INTERVAL_MIN	Minutes between scan cycles.
5.2	SLEEP_JITTER_SEC	Random delay added to each cycle (variance).

6. Email Delivery

Email transport settings. Output-only; does not affect filtering/math.

#	Constant	What it does (brief)
6.1	EMAIL_ENABLED	Master on/off switch for email sending.
6.2	FROM_EMAIL	From address used in outgoing alert emails.
6.3	TO_EMAILS	List of recipients.
6.4	MAILGUN_SMTP_SERVER	SMTP host.
6.5	MAILGUN_SMTP_PORT	SMTP port.
6.6	MAILGUN_SMTP_LOGIN	SMTP login / username.
6.7	MAILGUN_SMTP_PASSWORD	SMTP password.
6.8	MAILGUN_SMTP_DEBUG	SMTP debug verbosity level.

7. Advanced Toggles

Quality-of-life toggles.

#	Constant	What it does (brief)
7.1	PROMPT_FOR_FILTERS	Re-enable interactive prompts (normally False).

8. EMA Price Capture

Defines what feeds price_store.json (must remain clean).

#	Constant	What it does (brief)
8.1	PRICE_CAPTURE_ONLY_IF_BIDS	Only capture EMA samples when bids > 0.
8.2	PRICE_CAPTURE_BUMP_PCT	Optional bump applied to captured price (late-auction simulation).
8.3	EMA_ALPHA	EMA smoothing factor; higher reacts faster.
8.4	PRICE_CAPTURE_MAX_MINUTES	Only capture EMA samples ending within N minutes.
8.5	PRICE_CAPTURE_DISQUALIFY_KEYWORDS	Keywords that disqualify a listing from EMA sampling.
8.6	PRICE_CAPTURE_DISQUALIFY_REGEXES	Regexes disqualifiers for EMA sampling (multi-coin patterns, grades).

9. PROS Business Knobs

Controls prospect volume and what is considered actionable.

#	Constant	What it does (brief)
9.1	EBAY_NET_PAYOUT_PCT	Informational net resale reference (no effect unless wired).
9.2	PROS_MODE	Selects risk profile: conservative/balanced/aggressive.

9.3	PROS_MIN DEALER_MARGIN_PCT	Minimum dealer-margin gate for PROS (Cat-3 can override).
9.4	PROS_MIN_SCORE	Minimum PROS score to alert.
9.5	PROS_MAX_TOTAL	Optional max total price for PROS eligibility (if enabled).

10. Cat-3 Premium Mispricing

Premium language priced like raw EMA (PROS-only; must never feed EMA).

#	Constant	What it does (brief)
10.1	PROS_CAT3_MISPRICE_TOL_PCT	Tolerance above EMA allowed for Cat-3 (total \leq EMA*(1+tol)).
10.2	PROS_CAT3_MISPRICE_BONUS	Score bonus when Cat-3 condition is met.
10.3	PROS_CAT3_REQUIRE_ENDING_SOON	Cat-3 only when time left \leq Cat-3 minutes.
10.4	PROS_CAT3_MAX_MINUTES	Time-left window for Cat-3 (urgency gate).

11. PROS Filtering and Scoring Signals

PROS-only disqualifiers and text-based scoring signals.

#	Constant	What it does (brief)
11.1	PROS_DISQUALIFY_KEYWORDS	Hard-block PROS for problem coins, replicas, plated/clad.
11.2	PROS_DISQUALIFY_REGEX	Regex hard-blocks for PROS.
11.3	PROS_HYPE_KEYWORDS	Soft signal of priced-in hype (often reduces edge).
11.4	PROS_UNDERDESCRIBED_KEYWORDS	Soft signal of seller uncertainty (often increases edge).
11.5	PROS_HIGH_GRADE_KEYWORDS	Premium/slab language set used by scoring and Cat-3 detection.