

# 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

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# 1. File System and State

Paths and persistent state files.

| #   | Constant                | What it does (brief)  |
|-----|-------------------------|---|
| 1.1 | <b>HTML_FOLDER_PATH</b> | Folder containing saved eBay HTML pages to scan.            |
| 1.2 | <b>PRICE_STORE_PATH</b> | JSON file storing EMA benchmarks (offline market memory).   |
| 1.3 | <b>SEEN_HITS_PATH</b>   | 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 | <b>SPOT_PRICE</b>            | Silver spot price used for melt calculations.               |
| 2.2 | <b>PAWN_PAYOUT_PCT</b>       | Guaranteed melt exit reference (pawn/local dealer).         |
| 2.3 | <b>NUMISMATIC_PAYOUT_PCT</b> | Guaranteed numismatic exit reference vs FMV floor.          |
| 2.4 | <b>BID_OFFSET</b>            | Flat adjustment applied to recommended max bid (item-only). |
| 2.5 | <b>MIN_MARGIN_PCT</b>        | Minimum margin used for HIT rec-max / profit-at-max.        |
| 2.6 | <b>MAX_MARGIN_PCT</b>        | Upper margin bound shown in output (range display).         |
| 2.7 | <b>MAX_TIME_HOURS</b>        | Only consider listings ending within this many hours.       |
| 2.8 | <b>DEFAULT_MIN_QUANTITY</b>  | Default min quantity inferred from titles (None disables).  |
| 2.9 | <b>DEFAULT_BLACKLIST</b>     | 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 | <b>SILVER_FILENAME_KEYWORDS</b> | 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 | <b>POSITIVE_REQUIRED_TERMS_RULES</b> | Mapping of page filename patterns to required title terms (AND-of-OR groups). |
| 4.2 | <b>DELETE_PROCESSED_HTML</b>         | Delete HTML files after processing (only if listings parsed).                 |

## 5. Monitor Loop Timing

Scan cadence and jitter.

| # | Constant | What it does (brief) |
|---|----------|----------------------|
|---|----------|----------------------|

|     |                                   |  |
|-----|-----------------------------------|--|
| 5.1 | <b>DEFAULT_CHECK_INTERVAL_MIN</b> | Minutes between scan cycles.                 |
| 5.2 | <b>SLEEP_JITTER_SEC</b>           | 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 | <b>EMAIL_ENABLED</b>         | Master on/off switch for email sending.     |
| 6.2 | <b>FROM_EMAIL</b>            | From address used in outgoing alert emails. |
| 6.3 | <b>TO_EMAILS</b>             | List of recipients.                         |
| 6.4 | <b>MAILGUN_SMTP_SERVER</b>   | SMTP host.                                  |
| 6.5 | <b>MAILGUN_SMTP_PORT</b>     | SMTP port.                                  |
| 6.6 | <b>MAILGUN_SMTP_LOGIN</b>    | SMTP login / username.                      |
| 6.7 | <b>MAILGUN_SMTP_PASSWORD</b> | SMTP password.                              |
| 6.8 | <b>MAILGUN_SMTP_DEBUG</b>    | SMTP debug verbosity level.                 |

## 7. Advanced Toggles

Quality-of-life toggles.

| #   | Constant                  | What it does (brief)                            |
|-----|---------------------------|---|
| 7.1 | <b>PROMPT_FOR_FILTERS</b> | 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 | <b>PRICE_CAPTURE_ONLY_IF_BIDS</b>        | Only capture EMA samples when bids > 0.                             |
| 8.2 | <b>PRICE_CAPTURE_BUMP_PCT</b>            | Optional bump applied to captured price (late-auction simulation).  |
| 8.3 | <b>EMA_ALPHA</b>                         | EMA smoothing factor; higher reacts faster.                         |
| 8.4 | <b>PRICE_CAPTURE_MAX_MINUTES</b>         | Only capture EMA samples ending within N minutes.                   |
| 8.5 | <b>PRICE_CAPTURE_DISQUALIFY_KEYWORDS</b> | Words/phrases that disqualify a listing from EMA sampling.          |
| 8.6 | <b>PRICE_CAPTURE_DISQUALIFY_REGEXES</b>  | Regex 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 | <b>EBAY_NET_PAYOUT_PCT</b> | Informational net resale reference (no effect unless wired). |
| 9.2 | <b>PROS_MODE</b>           | Selects risk profile: conservative/balanced/aggressive.      |

|     |                                   |   |
|-----|-----------------------------------|---|
| 9.3 | <b>PROS_MIN_DEALER_MARGIN_PCT</b> | Minimum dealer-margin gate for PROS (Cat-3 can override).   |
| 9.4 | <b>PROS_MIN_SCORE</b>             | Minimum PROS score to alert.                                |
| 9.5 | <b>PROS_MAX_TOTAL</b>             | 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 | <b>PROS_CAT3_MISPRICE_TOL_PCT</b>       | Tolerance above EMA allowed for Cat-3 (total $\leq \text{EMA} * (1 + \text{tol})$ ). |
| 10.2 | <b>PROS_CAT3_MISPRICE_BONUS</b>         | Score bonus when Cat-3 condition is met.   |
| 10.3 | <b>PROS_CAT3_REQUIRE_ENDING_SECONDS</b> | Cat-3 only when time left $\leq$ Cat-3 minutes.                                      |
| 10.4 | <b>PROS_CAT3_MAX_MINUTES</b>            | 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 | <b>PROS_DISQUALIFY_KEYWORDS</b>     | Hard-block PROS for problem coins, replicas, plated/clad.      |
| 11.2 | <b>PROS_DISQUALIFY_REGEX</b>        | Regex hard-blocks for PROS.                                    |
| 11.3 | <b>PROS_HYPE_KEYWORDS</b>           | Soft signal of priced-in hype (often reduces edge).            |
| 11.4 | <b>PROS_UNDERDESCRIBED_KEYWORDS</b> | Soft signal of seller uncertainty (often increases edge).      |
| 11.5 | <b>PROS_HIGH_GRADE_KEYWORDS</b>     | Premium/slab language set used by scoring and Cat-3 detection. |