ENERGON
Protocol

1. Protocol Status & Live Parameters

The Energon protocol is live and operational on Flare mainnet.
At runtime, the protocol advances through a discrete, height-based progression system (“Energon Height”), representing the global state of the Energon Grid. Progression is driven by deterministic controller logic and is observable on-chain.
Energon Height advances only under conditions designed to preserve network fairness, temporal spacing, and participant equality. This ensures that no single participant or wallet can accelerate system state disproportionately.
The protocol does not rely on centralized scheduling or off-chain cron systems. All state transitions are verifiable via on-chain reads.

2. Controller Architecture Overview

Energon employs a dedicated controller contract responsible for regulating protocol progression.
The controller tracks the current Energon Height, enforces minimum time separation between height advancements, prevents repeated or overlapping state transitions, and ensures deterministic and auditable progression.
The controller exposes read-only functions allowing any observer to verify the current Energon Height and the time remaining until the next eligible progression window. Write operations are intentionally constrained and guarded to preserve protocol stability.

3. Tick Execution & Guardrails

Energon Height advancement (“ticks”) is subject to strict guardrails. Only one progression may occur per eligible height window. Repeated execution within the same height is rejected. Cooldown periods are enforced between progression events, and multi-wallet or multi-tab amplification is mitigated by contract-level checks.
These controls eliminate spam, preserve fairness, prevent race conditions, and maintain predictable system evolution. Tick execution is a protocol function, not a reward mechanism.

4. Eligibility Enforcement

Eligibility to participate in Energon protocol mechanics is strictly enforced on-chain. Only wallets holding exactly one (1) Energon Cube are eligible. Wallets holding zero cubes or more than one cube are explicitly excluded from protocol participation. This rule is permanent and enforced programmatically. No exceptions, overrides, or manual interventions exist.

5. Energon Token (EON) Utility Clarification

Energon (EON) functions as the protocol's native ERC-20 utility token. EON is utilized for protocol-level incentives, controller-mediated mechanics, and ecosystem alignment. EON does not represent ownership, equity, or claims on external assets. Its role is strictly defined within the Energon Grid's operational framework.

6. Identity, Symbolism, and Minimalism

Energon intentionally employs restrained visual identity and symbolic representation. Certain elements of the protocol may appear understated, abstract, or encoded by design. This approach reflects Energon's focus on long-term system integrity over short-term visibility. Visual identity, including sigils or symbols, does not imply promises, guarantees, or financial outcomes.

7. Forward Compatibility Statement

Future protocol updates may introduce additional observability, tooling, or interface layers. Such updates will not alter cube scarcity, eligibility rules, or core progression mechanics. All material changes will be documented through versioned whitepaper revisions.