## Full Energy Flow & Internal Layout (ASCII Cutaway)

(Top + Side View combined for clarity)

```
TOP VIEW
  [ Nose → Crew Habitat ]
  |-----|
  | CONTROL | LIFE SUP |
  |-----|
  | REACTOR & | POWER
  | THERMAL | MANAGEMENT |
  |-----|
  | BLINK CORE & DRIVE |
  |-----|
  | GAS TANKS | EXHAUST NOZZLE|
SIDE VIEW:
/ CREW | REACTOR | BLINK \
 HABITAT | + LASER | CORE |
         | CHAMBER | |
         | Tungsten Rods |
         | Granite Tube
         | Copper Mesh
         | Copper Block
         | Stirling Engine |
    Solar Arrays Radiators
```

## **Energy Flow Diagram**

```
Solar → Power Bus → Reactor Startup

↓

Tungsten Rods heated by Solar & Lasers

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Granite Tube absorbs + stabilizes heat

↓

Copper Mesh → Transfers to Copper Block

↓

Industrial Stirling Engine converts heat → Electricity

↓

Power Grid feeds:

• BlinkDrive Core

• Laser Heating System
```

## Why this matters:

• Life Support & Systems

- **Granite Tube** = thermal buffer (no sudden heat spikes)
- Copper Mesh & Block = high conductivity → continuous power feed
- **Stirling Engine** = 24/7 baseline electric power without fuel burn
- Self-sustaining cycle → Only CO<sub>2</sub>/N<sub>2</sub> gas needed for thrust bursts.