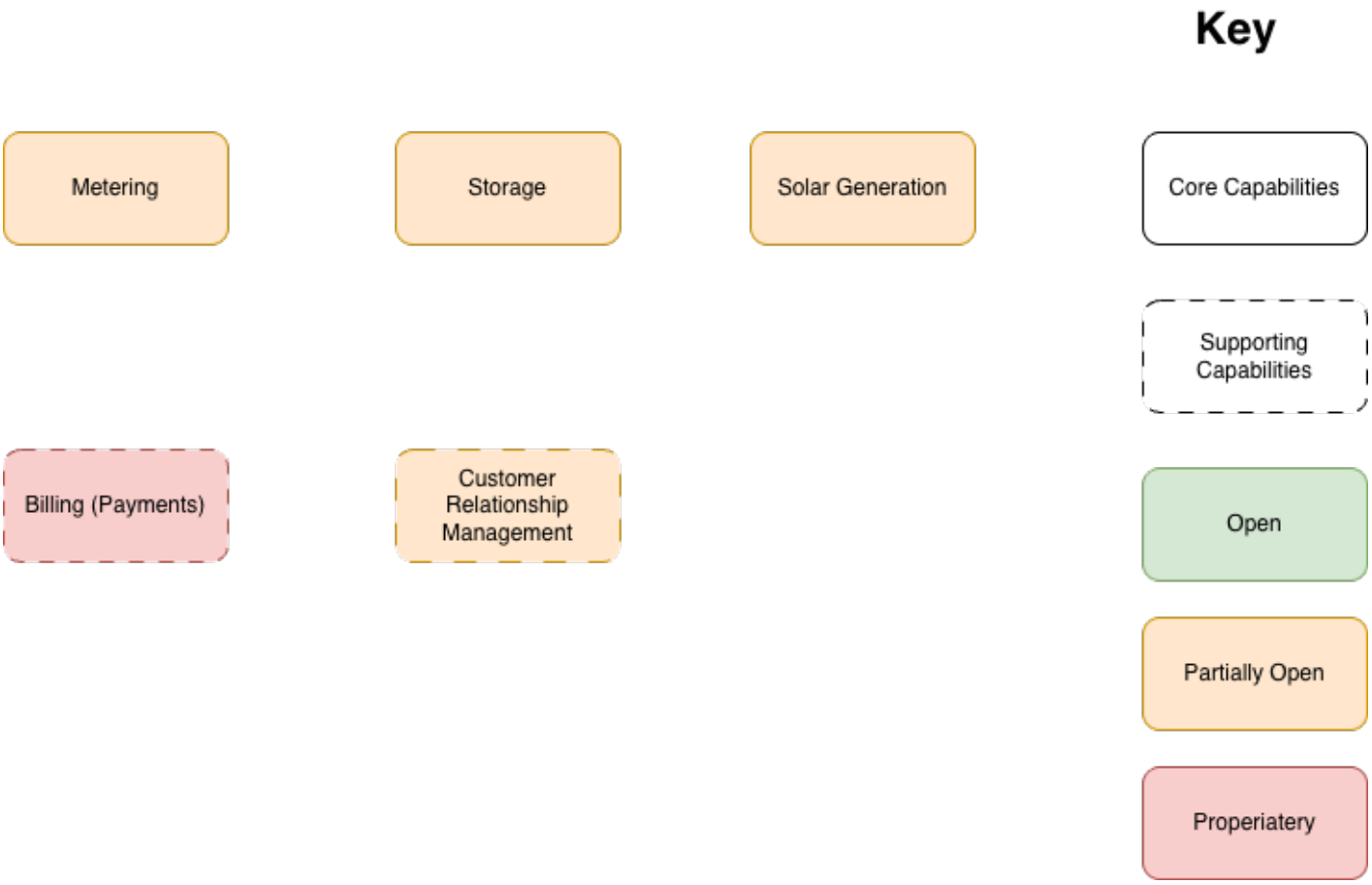
Microgrid Capability Map

Microgrid Capabilities

This diagram shows the distinct capabilities the microgrid will have and the level of freedom each capabilities for each capability's current implementation offers the community the microgrid is serving. The diagram also show Aaron's understanding of the level of risk to the model associated with each capability given what we know about it. The capabilities without a risk profile assigned are not targeted to go live yet.



Our capabilities are currently evolving across 3 generations. See our roadmap for progress updates.

Generation 1

- Hardware and or software propritary but accessible to small microgrid developers
- Hardware needs to be sourced from out of country
- Cost of hardware purchase is high and so is cost of repair

- Software licenses may be prohibitively expensive for small developers/communities because they are meant to target larger scale buyers

Generation 2

- Hardware still proprietary but can be locally sourced
- The software is open source and can be run by small developers or several SaaS providers giving developers options
- Cost of hardware purchase is comparatively lower than Gen 1 and cost of repair is similar to Gen 1 since hardware is still proprietary

Generation 3

- Hardware is open, can be assembled in country or locally sourced
- The software is open source and so is the hardware firmware
- Cost of purchase and repair of hardware is optimal

Revision #7
Created 2025-05-21 19:27:49 UTC by aaron.tushabe
Updated 2026-04-27 22:13:38 UTC by aaron.tushabe