

3/20/2023



galley

+1-608-238-6001 [TEL]

greg@electricship.com [Email]



Electric Ship

Electric Ship: Galley

Structured Data

This webpage QR code

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The galley is one of the focal points of the boat. Make it fun, efficient, and easy to use. Develop a solid strategy for food procurement, growing, storage, preparation, and enjoyment. A more sustainable approach will allow you to cruise off-grid longer, and less dependent on port visits.

PDF Version of the webpage (first pages)

Ship Galley

The galley is one of the focal points of the boat. Make it fun, efficient, and easy to use. Develop a solid strategy for food procurement, growing, storage, preparation, and enjoyment. A more sustainable approach will allow you to cruise off-grid longer, and less dependent on port visits.

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Configuration and functionality

Cooktop: Instead of gas, use an induction cooktop. It's more energy efficient, faster to heat up, and cooler overall for the galley. Must use steel, cast iron, or other magnetic cookware.

Countertop: HDPE. Simple to shape, install, maintain and replace. If you want a textured and formatted countertop, consider using thin laminates with resin.

Sink: The sink makes great utilization for both wash-up, but also storage when a top (cutting board HDPE) is used. Have a hand crank or foot operated pump. Solar hot water tank mounted up top gives you gravity feed down to sink. Have a insinkerator installed for at least one sink.

Water: Use solar still as primary, then electric watermaker, and finally a countertop electric still.

Storage: Use vacuum sealed bags, within Tupperware or other similar sealed containers (stackable).

Induction: Consider a portable, or cooktop that is induction. It is the most efficient method of cooking.

Wood Fired Pizza Oven: Instead of propane, install a wood fired oven. This allows you to gather and use driftwood, wood pellet fuel, or other scavenged fuel.

Other Options

Watermaker Options: Primary solar still, and solar hot water tank mounted up top.

Cooking: InstaPot pressure cooking is faster, more energy efficient, and cooler for the galley. The microwave still (to this day) is one of the best ways to cook fast, and efficient.

Mixer with Pasta Attachment: A mixer with attachments is one of the best galley tools.

Compact Efficient Oven: Buy or make your own oven.

Portable Refrigerator and Freezer: Dometic or similar. Separate countertop ice maker.

Beer Maker: Consider a small portable distillery for your galley.

Portable Solar Cooler: When not in use, heat up solar brick, sealed oil, or similar heat absorbent material which you can use later in your oven in the galley (i.e. at night). Consider mounting a permanent mount outside above in radar rack, and use with solar still, when not used for cooking.

Vertical Column Modules: Build modules that bolt together, or are rotatable, to utilize space better. For longer counter space, use movable islands.

Summary: The galley is one of the focal points of the boat. Make it fun, efficient, and easy to use. Develop a solid strategy for food procurement, growing, storage, preparation, and enjoyment. A more sustainable approach will allow you to cruise off-grid longer, and less dependent on port visits.

Strategy

Simple Galley Configuration:

1. Countertops: HDPE. Inexpensive. Acts as a cutting board.
2. Ice: Countertop Icemaker. Use for solar power charging dump when batteries are full. Simple, inexpensive, and easily replaced.
3. Cooking: Two induction cooktops. Simple. Inexpensive. Easily replaced. You can do 99 percent of all your cooking via one pan and a cooktop, including making bread, pizza, stirfry, etc.
4. Teapot: specific heating.
5. Microwave: fast cooking and very power efficient.
6. All electric. Less fire hazard. No propane acquisition hassles, storage, piping, or space issues.
7. Dometic Refrigeration: For refrigeration and freezing, specific compartmentalized cooling chest units.
