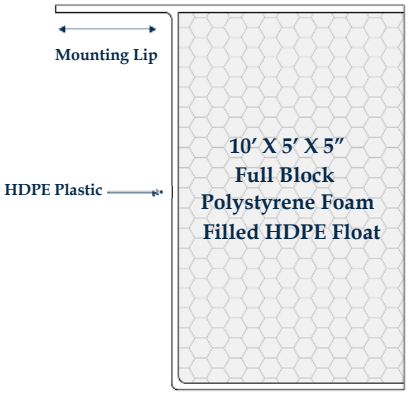
Floating Solar—Sustainable and Renewable Energy

AccuSolar leadership brings over two decades of experience in the Floating Dock industry. By harnessing the top-level technology, build quality and expertise of AccuDock and applying it to a new industry, AccuSolar's goal is to bring the power of solar at a reduced environmental impact.



Unique Float Building Process

- Universal guaranteed wall thickness using 100% Virgin HDPE raw material.
- Unbreakable commercial strength through plastic extrusion welding.
- Closed-Cell Foam Filled - WILL NOT SINK!
- Large float sections for added buoyancy, stability and safety.

U.S. Department of Energy Solar Energy Technologies Office Award Winner August 2021

U.S. Floating Solar Manufacturing Innovations for Improved Cost and Performance

Department of Energy Award Number: DE-EE0009641

Floating Photovoltaic (FPV) Systems are electricity-generating solar panels affixed atop buoyant platforms. Floating Solar is the fastest growing emerging energy market.

Our Design

Our new proprietary patented AccuSolar product line started by creating a foundation with a robust Floating Dock designed to accommodate solar panels. We believe the structure of any floating system is pivotal to longevity, reliability, and safety so we use only marine grade aluminum frames with stainless steel connection hardware. Our design utilizes large floats designed for maximum counter buoyancy which directly results in additional safety during installation and operations and maintenance. We can confidently say the AccuSolar product line is the most stable and durable Floating Solar System on the market.

With more than 20 years of experience in building floating platforms, AccuSolar offers an innovative, more effective option for reaping the benefits of solar.

Benefits of AccuSolar

- Unique manufacturing process resulting in large footprint floats allows for increased stability and evenly distributed buoyancy which creates a singular connected system. Less connections than competitors means less failure points on entire floating array, and reduces installation man-hours.
- Floats are filled with closed-cell expanded polystyrene foam, which does not allow for more than 3% water penetration and will not sink. This means that replacement of individual float sections is highly unlikely and eliminates concerns with wiring becoming submerged—which saves costs over the life of the project.
- Combination of structural framework and advanced understanding of anchoring allows us to strategically place a few quantity of stronger anchors, lowering installation costs.
- Built for optimal efficiency per location requirements. We can build to any desired fixed tilt angle. Single Axis Seasonal Tracking system nests to 0° to reduce wind forces and mitigate damage. Daily trackers +/- 60° estimated arrival date of 2025.
- Superior cable management, no cables laying on the walkways for professional appearance. Our design includes a main walkway structure to mount combiner boxes or inverters to help conserve power loss from long wire runs.
- Our white floats have a high albedo rating which can utilize bifacial technology for another added performance increase.
- Ability to accommodate solar panels of any size and any manufacturer.
- Overall design has estimated 80% less initial installation cost and 40% less operations and maintenance annual costs than competitors. Direct data yield studies are currently underway to determine efficiency vs. competition.
- Manufactured in the United States.

FOR MORE INFORMATION CALL 754-714-2302 OR
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