

Custom Marine Products and First Mate Marine New Products Announcement

January 1st 2019

High Performance Marine Solar Panels with Break Through Efficiency

With new advancements in solar cell performance, our very popular 120 watt rigid marine solar panel with SunPower cells is now available as a 140 watt solar panel. It is the same size as our 120 watt solar panel and contains new higher power SunPower solar cells.

Our new 140 and 175 watt marine solar panels with SunPower solar cells have the highest output per square inch of any marine solar panels on the market that we are aware of. That's good news for us boaters who have limited space for solar.

New Generation of LiFePO4 Marine Batteries Now Available at Discount Pricing

LiFePO4 (lithium iron phosphate) is a lithium-ion battery technology that is safe, powerful and plug compatible with most lead acid battery charging systems. This battery technology offers **many advantages over lead acid technology including high capacity storage, delivery of consistent high power, longer cycle life, less weight, longer shelf life and rapid charging.**

With comprehensive testing completed our new LiFePo4 marine batteries are now available on our website in the PRODUCTS section. We are excited to make these batteries available to our customers. They have outperformed our expectations and we are offering them at a discounted price to get more out there in the field (on the water). Learn about LiFePO4 marine batteries in our PRODUCT section and see how they performed during testing on our Blog at custommarineproducts.com.

New MPPT Solar Controller Technology

In partnership with EP Solar Technologies, Custom Marine Products and First Mate Marine are members of a qualified group of distributors for a new generation of solar controllers designed for the marine environment. The Xtra-N Series of MPPT marine solar controllers have rapid MPP (Maximum Power Point) calculation capability to achieve the maximum output of a solar array. At 99.5% efficiency they are one of the most energy efficient controllers available which means they will convert the maximum amount of solar energy to battery charging power.

The Xtra-N series controllers include a built in display meter providing in depth information about the performance of the solar system and the state of charge of the battery bank. The Xtra-N solar controller is designed to manage **Lithium ion and LiFePo4** batteries as well as the standard flooded, AGM and sealed batteries. The Xtra-N can be programmed from the built in display, the MT50 remote meter, a Bluetooth smart phone app or a computer connected via cable.

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