

What is Aquarius marine solar power?

An Aquarius Marine Solar Power or Aquarius MAS +Solar package is suitable for new-building projects and can also be retrofitted to existing vessels. A marine solar power system or array using the Aquarius MAS can also be integrated with wind power devices including EMP's EnergySail technology (under development).

Who makes Aquarius batteries?

Batteries and energy storage solutions for our Aquarius Marine Solar Power and Aquarius MAS +Solar packages are manufactured and supplied by the Furukawa Battery Co. Ltd of Japan. These batteries are ideally suited to renewable energy applications and have received formal acceptance from ClassNK of Japan for use on classed vessels.

What marine solar power solutions are available?

Both these marine solar power solutions include the flexible Aquarius MAS (Management and Automation System) This compact marine computer monitors the performance of a solar power array & battery pack, logs data, switches equipment on/off, calculates vessel emissions, records fuel consumption and displays system alarms.

How do marine solar panels work?

The energy collected by the marine solar panel array (s) or string (s) of photovoltaic (PV) panels can be used to power a DC load, provide a source of back-up or emergency power or be connected to an AC load via an inverter. Thus any ship, vessel or offshore platform can tap into the clean, emissions free and renewable energy provided by the sun.

Which batteries are best for marine solar power projects?

For most marine solar power projects EMP recommends the UB (UltraBattery) series from Furukawa Battery and can be supplied with an easy to assemble frame mounting kit. These hybrid VRLA batteries are easy to install and have a long cycle life.

Does Aquarius MAS include data logger?

A basic Aquarius MAS package can also be expanded to include data logger functions and additional hardware later if required. An Aquarius Marine Solar Power or Aquarius MAS +Solar package is suitable for new-building projects and can also be retrofitted to existing vessels.

The key elements of this system are the patented EnergySail®; and the ship solar power system known as Aquarius Marine Solar Power or Aquarius MSP. This combination of energy saving devices could lead to annual fuel ...

In addition other marine renewable energy technologies are evaluated at the center including Aquarius marine solar power solutions. marine grade mounting frames for solar panels, battery racks for ships and wind ...

Eco Marine Power (EMP) has unveiled high level design plans for an unmanned surface vessel (USV) to be powered by a solar-electric hybrid system. The Aquarius USV project began in 2011 and...

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In October 2014, Eco Marine Power along with a number of strategic partners installed the first Aquarius Marine Solar Power solution on the Blue Star Delos - a large high speed passenger and car ferry operated by Blue Star ...

Aquarius Marine Solar Power? ??? ??, ???, ?? ? ?? ???? ???? ??? ?? ?????. ??? ? ? ? ?????. EnergySail? ? ??, ?? ??? ? ?? ?? ...

These solutions include Aquarius MRE, EnergySail & Aquarius Marine Solar Power. These reduce fuel consumption, lower noxious gas emissions and deliver cost benefits. Aquarius Management & Automation ...

Computer systems for sail-assisted propulsion and ship solar power Fukuoka, Japan - 23rd October 2018 - As part of the ongoing strategy to prepare its EnergySail and Aquarius MRE for commercial release, Eco Marine ...

Integrated Ship Solar Power System for Vessels and Offshore Applications. Aquarius Marine Solar Power. An integrated marine solar power solution from EMP does more than just ...

Integrated Ship Solar Power System for Vessels and Offshore Applications Aquarius Marine Solar Power An integrated marine solar power solution from EMP does more ...

Eco Marine Power (EMP) has started a feasibility study to explore the installation of the Aquarius Marine Renewable Energy (Aquarius MRE) solution onto an LR2 Tanker. The study is being ...

Japan-based Eco Marine Power (EMP) plans to set sell in 2018 with its Aquarius Marine Renewable Energy (MRE) solution. It's the world's ...

Integrated solar power systems for ships with Aquarius MAS and battery pack. Flexible marine grade solar panels designed for use on ships and other vessels. Solar panel ...

Integrated Ship Solar Power System for Vessels and Offshore Applications Aquarius Marine Solar Power An integrated marine solar power solution from EMP does more than just ...

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Ship Solar Power | Marine Solar Power | Photovoltaic (PV) Systems Zero emission power for ships, marine & offshore applications. A marine or ship solar power solution from ...

Renewable Energy Solutions for Zero Emission Shipping From small powered pleasure craft and ferries to large super-tankers, the limitless energy of the wind and sun can ...

Aquarius MAS + Solar is an innovative renewable energy solution for ships and the trial system includes a 2.3 kWp marine solar panel array, a 5.4 kWhr battery pack, MPPT ...

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