

40kWh Solar Container for Marine Use in Tanzania





Overview

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.

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).

What is included in the Aquarius marine solar power package?

MPPT charge controllers - 60A and 80A options available. Batteries or battery pack. This includes all the elements of the Aquarius Marine Solar Power solution plus additional hardware and interfaces to fuel flow meters, GPS and other equipment on a ship.

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.



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