



# MARINE APPLICATIONS



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## Why Solcon?

With Marine certified products and a reputation for solid reliability, Solcon has led the innovative development and manufacturing of motor control equipment for Marine applications since 1995. Today, Solcon boasts an 80% market share and some of the top names in the industry listed among their clients; these include: ABB, Siemens, Hyundai, Mitsubishi, Toshiba, Rolls Royce, Wartsila, Terasaki and many more.

Solcon has a wide range of Soft Starters including standard low voltage marine duty units with ratings up to 690V to their heavy duty medium voltage product line from 2.3 - 15kV and up to 50MW. The soft starters are uniquely designed for Marine applications including: Thrusters, Azimuth pods, Main propulsion, Ballast pumps, and Hydraulic power packs. And all have the unique advantage of being able to operate smoothly even during voltage and frequency fluctuations typical of generator sourced power.



## Typical Applications

- Water & ballast pumps
- Refrigeration chillers & compressors
- Hydraulic pumps & power packs
- Thrusters
- Main Propulsion motors

SOLCON

Bow Thrusters - Oasis of the Seas





### Special Functions for Marine applications:

- Reduced inrush current & mechanical shock
- Smooth, stepless acceleration & deceleration
- Unique Soft Starting and stopping characteristics
- Heavy duty, fully rated design
- Sophisticated motor protection
- Easy installation and operation

### Solcon Product Lines for Marine:

- Up to 3000 HP (3MW), 400-690V type tested - Marine certified Soft Starter – **RVS-DN**
- Up to 50,000 HP (50MW) Medium Voltage special design Soft Starter – **HRVS-DN**
- Motor protection with directional Ground Fault – **MPR-6 DGF**
- Temperature protection relay up to 14 RTD inputs - **TPR-6/14**

### Marine Standards:



\*Subject to individual case approval  
\*\*Contact us for additional certifications

Retractable Thrusters - Blue Marlin



Bow Thruster - Coal Carrier



Ballast Pumps - Hamburg Express



# SOLCON

WATER

OIL & GAS

INDUSTRY

MINING

MARINE



Soft Starters ■ Motor Protection ■ Power Controllers

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