



ISOLATION TRANSFORMERS

WITH SOFTSTART



TECHNICAL CHARACTERISTICS

- Power : 3600W
- Input voltage : 115 or 230V, automatic and manual versions available
- Frequency : 50/60Hz
- Rated current : 32A (115VAC) - 16A (230VAC)
- Softstart : automatic
- Efficiency : > 93%
- Operating temperature : from -20°C to +40°C
- Thermal protection integrated
- Cooling : temperature controlled forced ventilation (2 speeds)
- Transformer type : toroidal
- Internal fuse : no
- Dimensions : 400 x 300 x 200 mm
- Enclosure material : aluminium
- Protection category : IP21
- Weight : 24 kg
- Standards : IEC 60076

Part numbers : IT-3600-M
IT-3600-A

PREVENTION OF GALVANIC CORROSION

CRISTEC isolation transformers avoid electrolysis in salted water. Slow galvanic corrosion not only occurs in metal and aluminium hulls. It can occur in any metallic part being in contact with water : anodes, shafts, etc.

CRISTEC isolation transformers eliminate any electrical continuity between the boat AC on-board network and the shore-side supply.

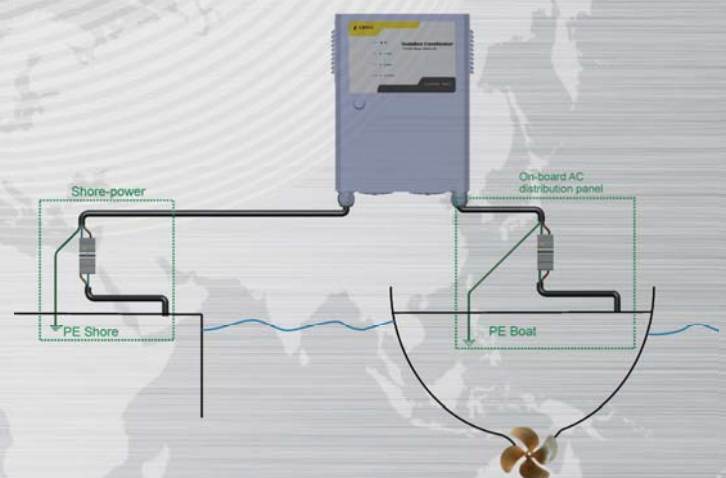
SAFETY

The isolation transformers allow powering a boat safely from shore power without any risk of galvanic corrosion. The boat AC on-board network is safe and secured to the created isolated ground specific to the boat : the GFCI - Ground Fault Current Interrupter - will trip or a fuse will blow in case of current leakage to ground.

COMFORT

CRISTEC isolation transformers are toroidal type in order to limit weight and noise.

They have an integrated softstart which avoids the shore-power fuse to blow or the GFCI to trip due to the inrush grid connection.



The installer should decide on rating and nature of the external protection devices.