

IT3600



Warranty 3 years



8.9/10 Repairability index



Presentation

The **IT3600** range of CRISTEC isolation transformers function is to provide a complete (phase, neutral & earth) galvanic isolation between the boat on-board power supply network and the shore. This separation prevents ground current circulation between the supply and distribution lines, which are the source of corrosion on the metal parts of a vessel in contact with sea water (phenomenon similar to electrolysis). This isolation function is made of a toroidal transformer with dual primary and secondary winding.



Automatic soft-start

The system has an automatic soft-start function to limit inrush current when the device is switched on, avoiding inadvertent tripping of shore network protections (premagnetising circuit).



Parallel connection

2 isolation transformers can be connected in parallel to reach a maximum power of 7200W (32A @ 230VAC). Please contact us for advice.



Thermal protection

The device has an automatic 2 speed ventilation system (half speed below 45 °C in the casing, full speed above 45 °C). A safety thermal sensor protects the equipment in case of overheating (too high ambient temperature, overloading, etc).



Automatic versus Manual

Automatic version of IT3600 isolation transformer automatically adapts to the grid voltage of the power source whether 115 or 230 VAC. Manual transformer requires the shift of internal cables. The grid frequency is not converted.

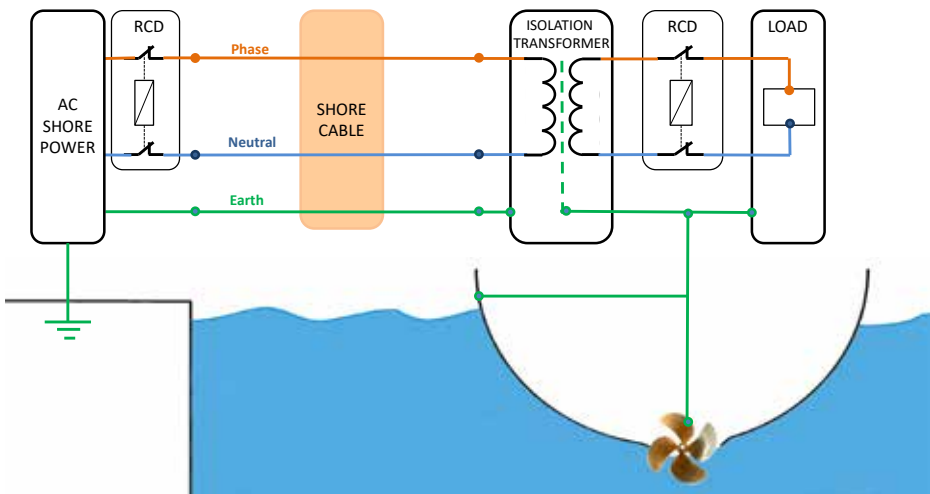
ISOLATION TRANSFORMERS

115V

230V

Part Number	IT-3600-M	IT-3600-A
Commutation	Manual	Auto
Input voltage	115/230VAC	
Output voltage	115/230VAC	
Frequency	50/60Hz	
Current	16/32A	
Power	3600W	
Soft-start	Yes	
Ambient temperature	From -20°C to +40°C (-4°F to 104°F)	
Ventilation	Half speed (reducing acoustic noise)	
Humidity	95% without condensation	
Transformer type	Toroidal	
Casing material	Steel with anti-corrosion treatment	
IP protection index	IP20 (IP21 on request)	
Dimensions	h 360 x L 257 x l 221 mm (h 14.17 x L 10.12 x l 8.70 in)	
Weight	24 kg (52.9 lb)	
Standards	IEC 60076	

Principle schematic



Parallel connection

