

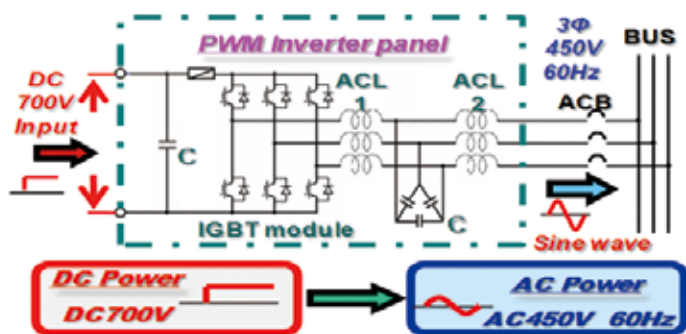
# Control Systems & Equipment



## TAIYO ELECTRIC CO., LTD.

<http://www.taiyo-electric.co.jp/english/index.html>

### Power Supply System



1. Thyristor Inverter Type Shaft Generating System  
SG mode (Generator) /SM mode (M/E boosting) /PM mode (Electric propulsion)
2. PWM Shaft Gen System
3. TC Generating System by PWM Inverter
4. DC Power System by PWM Inverter

This system supplies the stable AC power to the vessel which obtained from the various source.

This system contributes to users energy saving and maintenance cost saving.

Also, the output of this system has same electric characteristic as that of Diesel Generators (DG).

Therefore, it can be operated not only single running but also parallel running with DG.

### INQUIRIES

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### Speed Control System by Inverter



1. Electric Propulsion System
2. Cargo Oil Pump
3. Electric Deck Machinery
4. Air Lub. Blower
5. Cool SW Pump
6. Refrigerator Compressor
7. E/R Ventilation Fan

The speed of Induction motor shall be variably controlled by inverter.

Energy saving can be achieved by saving consumed power which is done by controlling motor speed properly.

This system also contributes ship's operation by easy maintenance.

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