

# Auxiliary Power and Control System (Aux PCS)

**BAE Systems' Power and Propulsion Solutions business area provides products to increase a vessel's operating efficiency and performance while saving fuel, operational costs, and our environment. With more than 20 years of experience in hybrid propulsion, BAE Systems is partnering with leading naval architects and shipyards to provide complete, efficient power and propulsion solutions.**

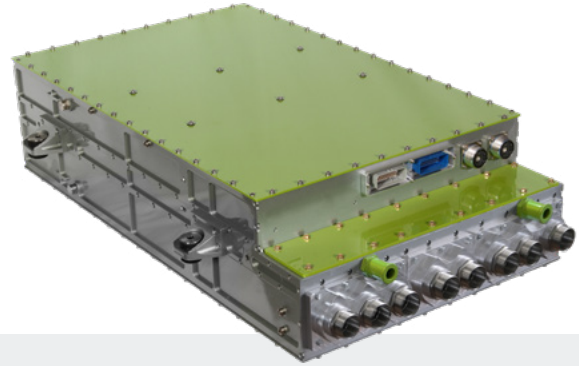
The Auxiliary Power and Control System (Aux PCS) provides AC power for vessel hotel loads as well as a variable frequency drive that can be used for integrated bow or stern thruster control. The AC Filter ensures utility grade power quality as well as providing load share and paralleling capability with other AC power sources. The modular arrangement is capable of up to 200kW AC power depending on output voltage and easily integrates with the vessel AC distribution system.

## Features

- SAE 1939 CAN interface
- Fully integrated system with thruster VFD and utility grade auxiliary AC power
- AC power load share and paralleling capability
- Operation and diagnostics fully integrated with each system
- Aux PCS is liquid cooled for superior thermal management and control
- AC Filter is air cooled and can be integrated with the vessel switchboard or mounted separately

## Benefits

- Rugged, durable, and highly reliable
- Flexible installation and cooling
- Standard communications interface
- Supports prognostics health management
- Performance can be tailored to customer needs



## Auxiliary Power and Control System (Aux PCS)

### Size

- Length: 919 mm (36.2 in.)
- Width: 569 mm (22.4 in.)
- Height: 237 mm (9.3 in.)
- Weight : wet: 85 kg (188 lbs.)
- Coolant: water ethylene/glycol (or propylene glycol)

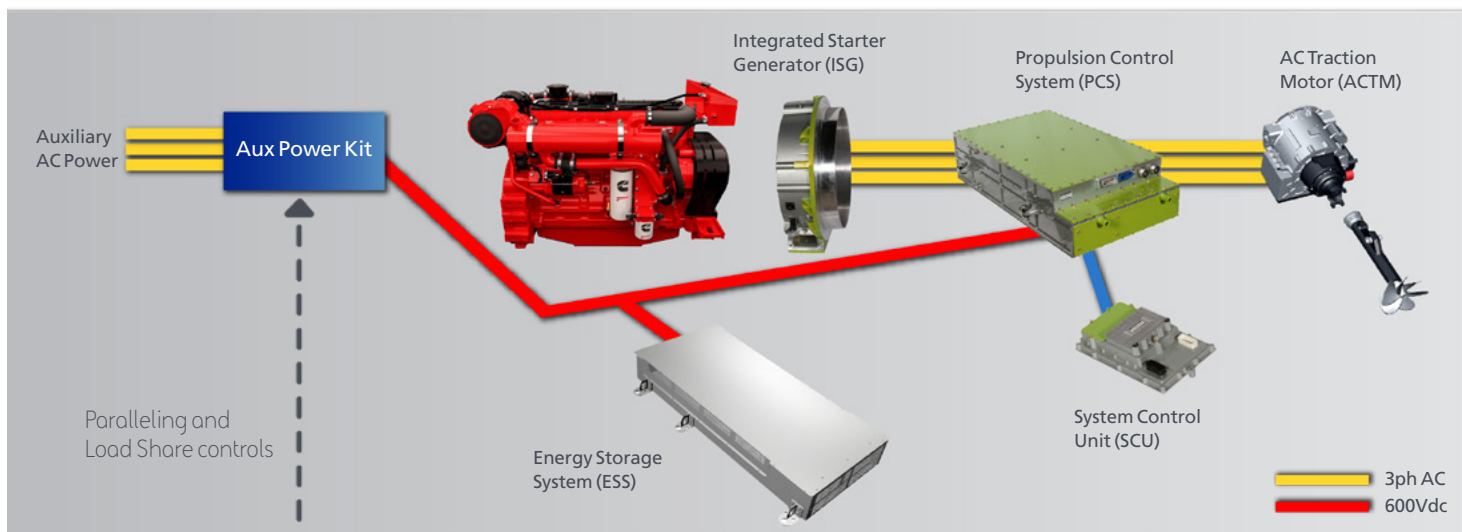


## AC Filter

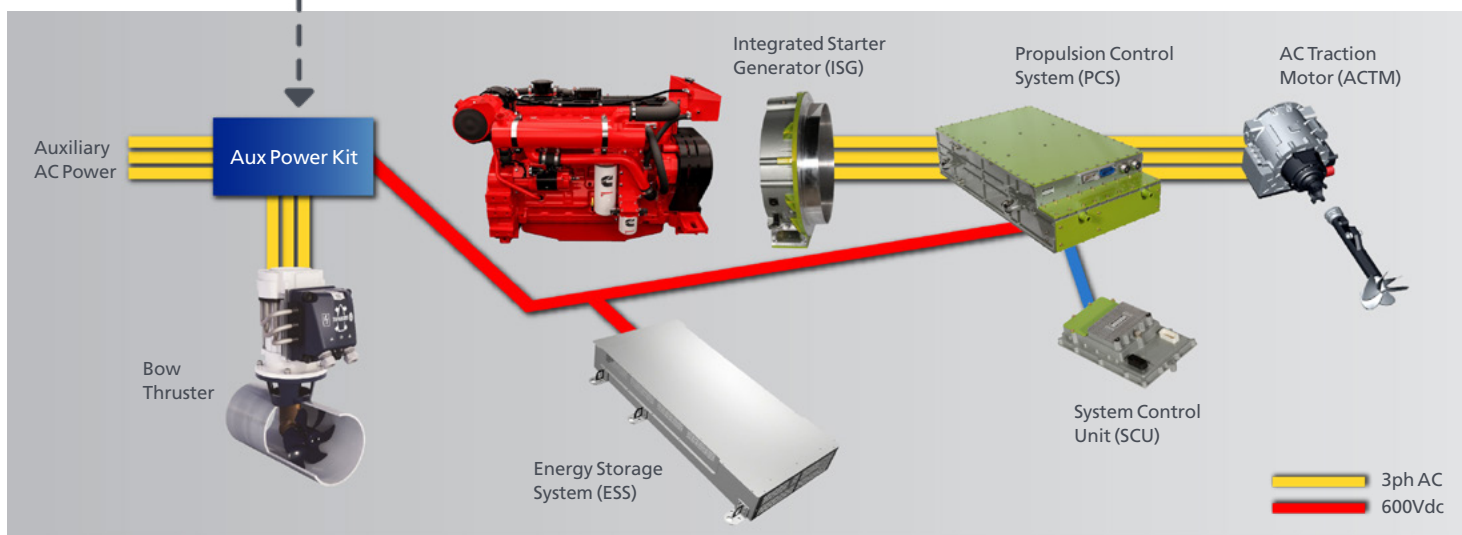
### Size

- Length: 677 mm (26.7 in.)
- Width: 940 mm (37.0 in.)
- Height: 368 mm (14.5 in.)
- Weight : 93.4 kg (206 lbs.)
- Coolant : Air cooled

# Starboard



# Port



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