







Alpha Ori – SMARTShip Hardware's Power Requirement

Hardware	Picture	Location of Installation & Quantity	Power requirements
Industrial Server		Engine room 2 nd Deck – Ship Sever rack, Quantity: - 3 Nos.	24 V DC, 5.5 Amps.
Power supply unit – 20 A		Engine room 2 nd Deck – Ship Sever rack, Quantity: - 1 Nos.	Nominal Input voltage: 100 V AC ~ 240 V AC Nominal Output voltage: 24 V DC
Industrial UPS & Battery		Engine room 2nd Deck – Ship Sever rack, Quantity: - 1 Set.	Nominal Input voltage: 18 V DC ~ 30 V DC Nominal Output voltage: 24 V DC Battery: 7.2 Ah.
Serial to TCP/IP Converter		Engine room 2nd Deck – Ship Sever rack, Quantity: - 1 No.	24 V DC, 0.35 Amps.
Power supply unit – 10 A		STBD BRIDGE CONSOLE, Quantity: - 1 No.	Nominal Input voltage: 100 V AC ~ 240 V AC Nominal Output voltage: 24 V DC
Industrial Protocol Converter (MODBUS Serial RTU to TCP/IP)		STBD BRIDGE CONSOLE, Quantity: - 1 No.	24 V DC, 0.45amps.

Overall Power requirement*: -

- Engine room 2nd Deck – Ship Sever rack: - To provide with power connection 100~240 V AC, 20 A
- STBD BRIDGE CONSOLE: - To provide with power connection 100 ~240 V AC, 2 A.

**Same has been mentioned on SMARTShip drawing*