



KARADENİZ POWERSHIP

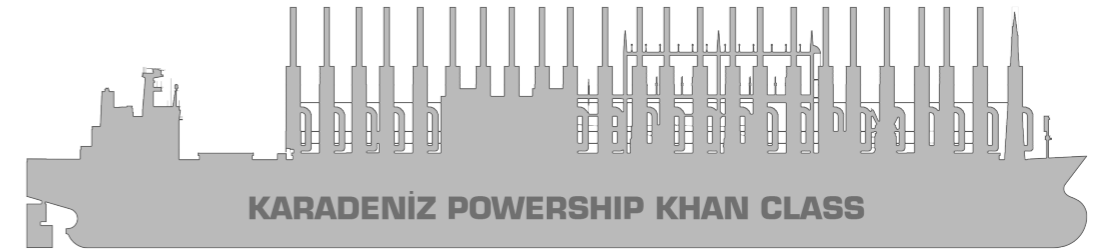
POWERING KARPOWERSHIP THE DELIVERING FAST TRACK RELIABLE ELECTRICITY WORLD

www.karpowership.com



POWERSHIP CLASSES

KHAN CLASS



WHALE CLASS



ORCA CLASS



SHARK CLASS



MERMAID CLASS



SEAL CLASS



	WHALE CLASS	KHAN CLASS	ORCA CLASS	SHARK CLASS	MERMAID CLASS	SEAL CLASS
CAPACITY (MW)	460 - 620	415 - 470	200 - 260	110 - 240	34 - 80	34 - 40
LENGHT (OVERALL) METER	180	285 - 300	135 - 140	160 - 240	90 - 110	84
BREADTH (EXTREME) METER	55	45 - 50	42	20 - 32	25	18 - 22
HEIGHT (EXTREME) METER	60 - 65	47 - 50	45 - 60	40	46	25 - 32
DRAFT (MOULDED) METER	4 - 5	5 - 7	3 - 4	5 - 6	3 - 4	5 - 6
SELF-PROPELLED	✗	✓	✗	✓	✗	✓
ON-BOARD ACCOMODATION (PAX)	40	80	60	50	20	20
SUBSTATION VOLTAGE (KV)	100 - 420	100 - 420	100 - 240	70 - 170	36 - 170	36 - 170
FREQUENCY (Hz)	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz

* Extendable up to 760 MW



POWERSHIP

Powership™ is a floating power plant. Powerships can be delivered in as fast as 90 days as a plug and play electricity solution.

Our Powerships are designed, constructed and engineered at Karpowership's facilities in Turkey and are dispatched to various corners of the world on a short or medium-term basis, adding electricity generation capacity for base load and peak shaving.

FAST TRACK

- 30 – 620 MW delivered within 90 days
- No major site preparation required
- No completion or construction risk
- Delivered ready for power generation

HIGH EFFICIENCY

- Delivering highest efficiency
- Utilising Dual Fuel engine technology
- Suitable for base load or peak-shaving
- Very low fuel cost

INTEGRATED

- Delivered ready to operate – Plug & Play
- On-board high voltage (HV) substation
- Direct grid connection
- On-board fuel storage
- 24 / 7 operation and maintenance
- On board accommodation

ECONOMICAL

- Low cost Natural Gas or Heavy Fuel Oil (HFO) instead of more expensive Diesel (HSD) / Light Crude Oil (LCO)
- Lowest cost of delivered fast track power
- Multi fuel flexibility (HFO / NG / LNG)
- Immediate impact for sustainable growth
- Competitive with all medium-term power generation options
- No land fuel transportation cost

ANCILLARY BENEFITS



GAS TO POWER SOLUTION

POWERISLAND PROVIDE THE PERFECT SOLUTION FOR BRIDGING POWER GAPS.

Powerisland is the game changing solution where the opportunity to generate offshore electricity with LNG, is made possible through attaching a Floating Storage and Regasification Unit (FSRU) to a Powership.

Our new addition to the fleet, the largest Powership in the world, Khan Class Powerships can generate 470 MW on a single vessel and can operate offshore. With no site preparation requirement and utility - size generation capacity, Powerisland provide the perfect solution for bridging power gaps.

Electricity generated will be transmitted to onshore substations through submarine cables and can energize the host country's grid, as well as a regional power pool with the higher capacity. Now it is easy to make a difference not only in one country's future but also a continent's future.

Powerships' practicality and their all-inclusive nature make them utilities' number one choice as a solution partner.














DESALINATION

POWERSHIPS ARE CAPABLE OF PRODUCING DESALINATED WATER UP TO 10,000 M3 / DAY.

Heat is a by-product of electricity generation of Powerships which supply their own cooling water through the evaporators installed utilising the excess heat.

SIGNIFICANT IN-HOUSE EXPERIENCE

ONE STOP SOLUTION PARTNER

-  Project feasibility and planning
-  Acquisition of vessel
-  Project design and construction of Powership
-  Contract signing with the off-taker
-  Marine preparation for mooring and berthing of Powership
-  Electrical interconnection to evacuate power
-  Operation and maintenance crews delivering guaranteed uptime & reliability
-  Fuel management providing accurate forecasting & logistic planning
-  Availability of full project spares and consumables
-  Contract and project management ensuring it is on time and on budget, every time
-  Project financing options aligned to end-user and project requirements



Our Powerships are delivered with their own high voltage substations for direct interconnection to local grids.

Operation and maintenance is carried out by the Karpowership team and its highly trained specialist personnel.



Powership capacities range from 30 to 620 MW. Contract capacities range from 30 to several thousand MWs.

Our solution is delivered with Dual Fuel-Reciprocating Engines (Heavy Fuel Oil / Natural Gas).

State of the art waste - heat recovery systems allow for combined cycle operations and desalinated water needs.



Powerships guarantee electricity at the highest fuel efficiency, with the cutting edge technologies. Dual fuel capabilities enable us to operate on heavy fuel oil and natural gas. Karpowership can arrange for environmentally sound low sulphur heavy fuel oil or use locally available natural gas. Based on the requirements of the customer, Karpowership can also utilise natural gas provided by LNG carriers, operating in Powerisland mode.



KARPOWERSHIP FLEET



126 MW



179 MW



216 MW



115 MW



202 MW



202 MW



115 MW



125 MW



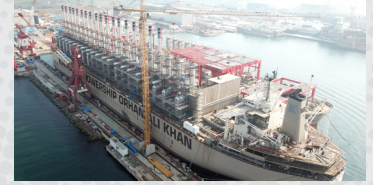
470 MW



470 MW



420 MW



420 MW



125 MW



125 MW



125 MW



125 MW



36 MW



36 MW



36 MW



36 MW



36 MW



36 MW



80 MW



80 MW



80 MW



/KARPOWERSHIP

ISTANBUL, TURKEY

Develi Cad. No:14
Kağıthane, İstanbul 34406
+90 212 295 47 37
info@karadenizholding.com

AMSTERDAM, THE NETHERLANDS

Herengracht 491,
1017 BT Amsterdam
+31 88 560 9900
info@karpowership.com

DUBAI, UAE

Almas Tower JLT 19/A Dubai
PO Box 488013
+971 4 368 8601
info@karpowership.com

JAKARTA SELATAN, INDONESIA

Sentra Senayan Building II,
20th Floor
+62 21 5795 40 20
info@karpowership.com

LONDON, UK

First Floor, 3 More
London Rivers ide, London SE1
info@karpowership.com