



KARADENİZ POWERSHIP

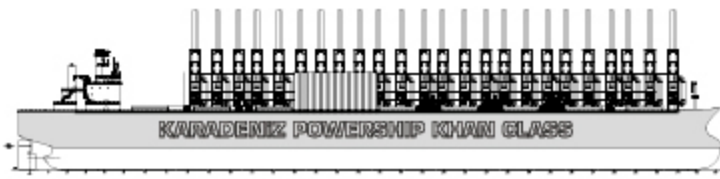
POWERING
KARPOWERSHIP **THE**
DELIVERING FAST TRACK RELIABLE ELECTRICITY
WORLD

www.karpowership.com



POWERSHIP CLASSES

KHAN CLASS



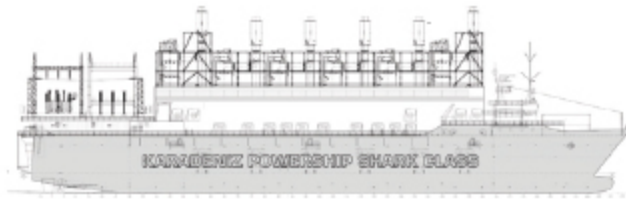
>300MW

WHALE CLASS



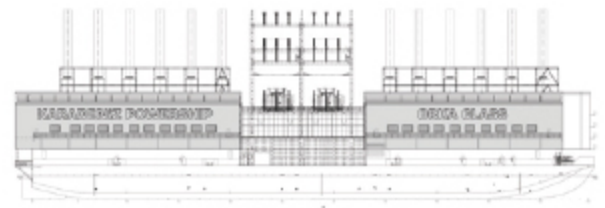
>300MW

SHARK CLASS



100-300MW

ORKA CLASS



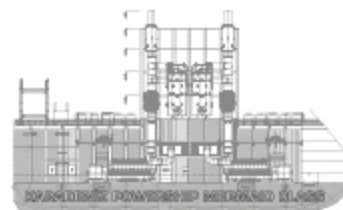
30-100MW

SEAL CLASS



30-100MW

MERMAID CLASS



30-100MW

	WHALE CLASS	KHAN CLASS	ORKA CLASS	SHARK CLASS	MERMAID CLASS	SEAL CLASS
CAPACITY (MW)	460 - 620	290 - 470	185 - 225	110	73.2	36.8
LENGTH (OVERALL) METER	180	285 - 300	142	160 - 180	88	84
BREADTH (EXTREME) METER	55	45 - 50	42	20 - 32	24.65	18
HEIGHT (EXTREME) METER	60 - 65	47 - 50	45 - 60	40	46	25 - 32
DRAFT (MOULDED) METER	5 - 7	5 - 10	5.5 - 7.5	5 - 7	5.5	5 - 7
SELF-PROPELLED	X	✓	X	✓	X	✓
ON-BOARD ACCOMMODATION (PAX)	40	80	60	50	20	20
SUBSTATION VOLTAGE (KV)	100 - 420	100 - 420	100 - 170	100 - 170	11-33-154	36 - 90
FREQUENCY (HZ)	50 / 60	50	50	50	50 - 60	50 - 60

* 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



POWERISLAND

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



37 MW



202 MW



235 MW



126 MW



179 MW



216 MW



115 MW



125 MW



470 MW



470 MW



125 MW



125 MW



202 MW



125 MW



35 MW

[f](#) [i](#) [in](#) [t](#) [v](#) /KARPOWERSHIP

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