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● SHANGHAI
● FOSHAN

SHANGHAI

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UNILIA.COM

POLARIS



TECHNICAL SPECIFICATION

SCALABLE TO 96kW

STACK POWER¹

3.8kW/L

POWER DENSITY

-30°C

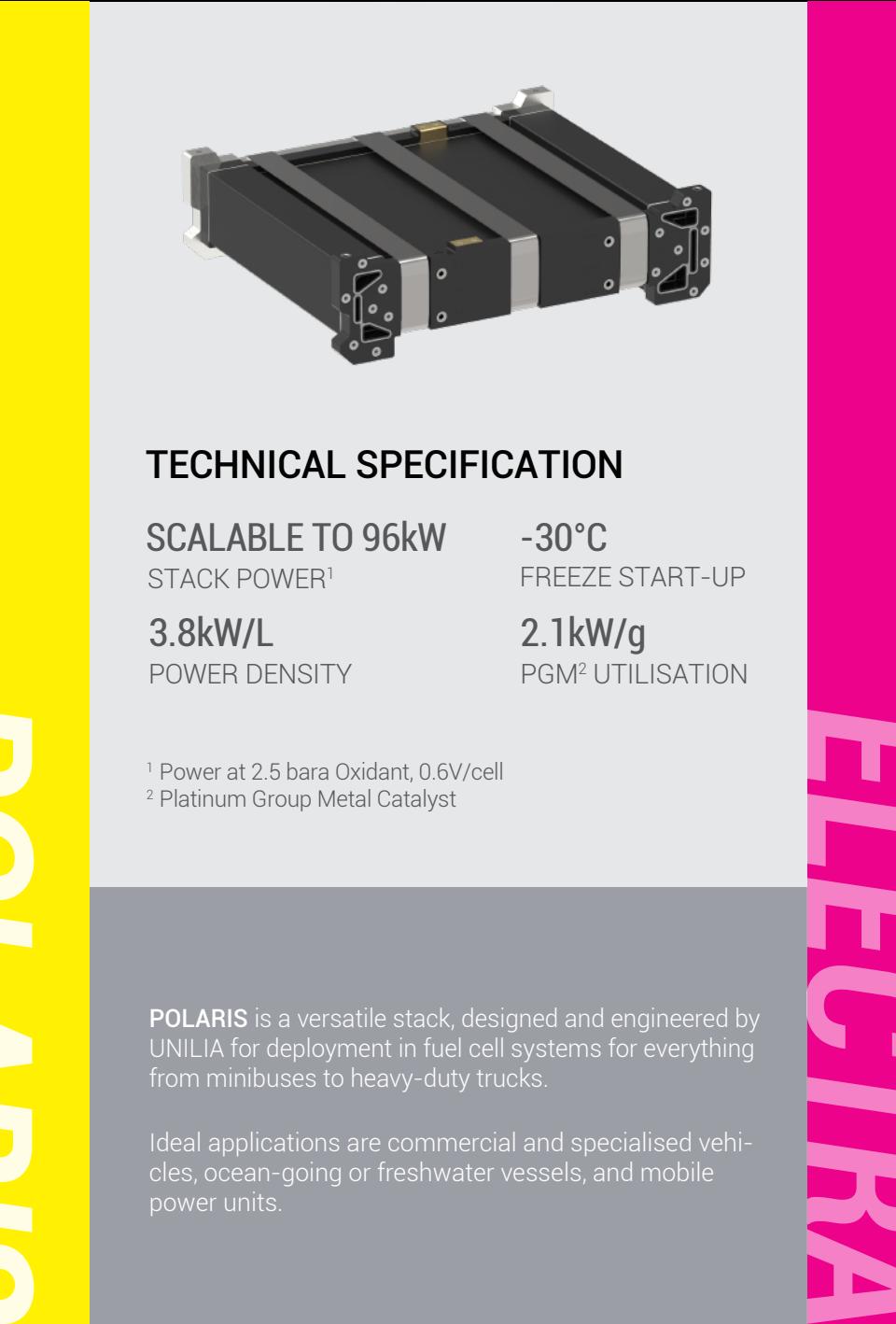
FREEZE START-UP

2.1kW/g

PGM² UTILISATION

¹ Power at 2.5 bara Oxidant, 0.6V/cell

² Platinum Group Metal Catalyst



POLARIS is a versatile stack, designed and engineered by UNILIA for deployment in fuel cell systems for everything from minibuses to heavy-duty trucks.

Ideal applications are commercial and specialised vehicles, ocean-going or freshwater vessels, and mobile power units.



TECHNICAL SPECIFICATION

SCALABLE TO 130kW

STACK POWER¹

4.4kW/L

POWER DENSITY

-30°C

FREEZE START-UP

3.9kW/g

PGM² UTILISATION

¹ Power at 2.5 bara Oxidant, 0.6V/cell

² Platinum Group Metal Catalyst

ELECTRA

ELECTRA stacks have been developed by UNILIA from the ground up with in-house MEA. They are suited for use in the most demanding heavy-duty fuel cell systems.

Ideal applications are vehicles, vessels, and power units with heavier load and torque requirements, and harsh working conditions.

SIRIUS



TECHNICAL SPECIFICATION

SCALABLE TO 180kW

STACK POWER¹

-30°C

FREEZE START-UP

ADDITIONAL INFORMATION ON REQUEST

¹ Power at 2.5 bara Oxidant, 0.6V/cell

SIRIUS is a brand new stack incorporating in-house MEA for optimised value.

The stack provides high power in a flexible form factor for mobility use cases or stationary power. It is optimisable for a broad range of product integrations and operating environments.



12M FUEL CELL TRANSIT BUS
[BRANDENBURG, GERMANY]



FAW J6L HEAVY DUTY TRUCK
[SHANGHAI]



FORKLIFT
[HANGZHOU]



BUS
[JIAXING]



FAW JIEFANG J4P 49T TRUCK
[SHANGHAI]