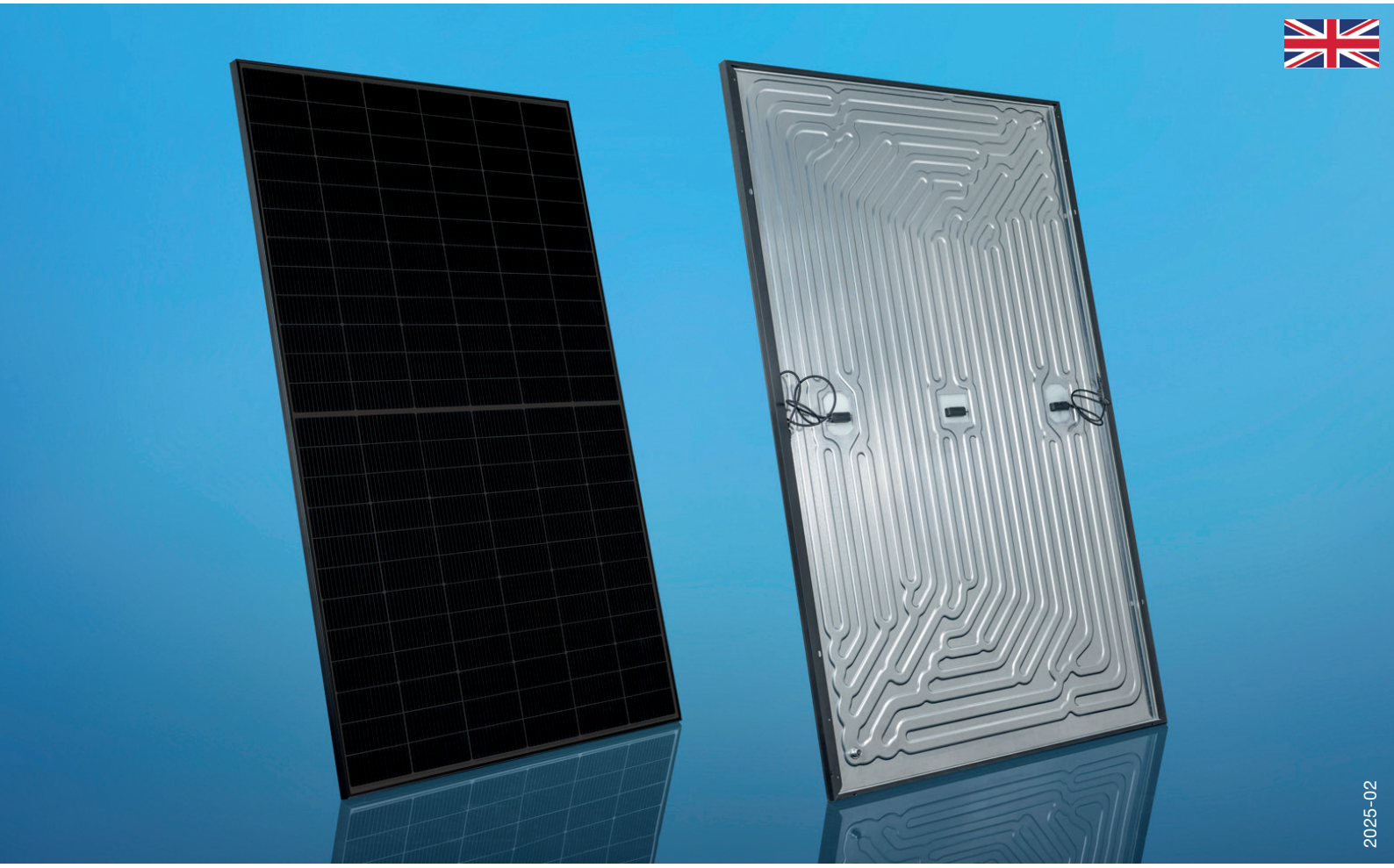

2025-02

PRISMA® PVT RBX

PV electricity and solar thermal energy from one hybrid collector
Maximum energy efficiency on limited roof spaces and district heating power plants

- Optimised for heat pumps and geothermal regeneration.
- More than triple solar energy yield compared to pure PV systems.
- 5-10% more annual average electricity yield compared to uncooled PV modules.
- Simple assembly by means of a hydraulic quick coupling.

Made by: Mubea

TWL

PRISMA® PVT RBX - The sustainable ecological solution for:

- Single and multi-family houses
- Neighbourhood solutions
- Hotels and restaurants
- Campsites
- Paint shops
- Car washes
- Food industry
- Industrial companies
- District heating
- Public buildings
- Schools
- University building
- Sports facilities, fitness centres
- Hospitals
- Retirement homes
- Swimming pool heating

Modul		PRISMA® PVT RBX
Dimensions	(mm)	1762 x 1134 x 30
Module type		Double glass WISC PVT
Unladen weight	(kg)	33

Photovoltaic properties		PRISMA® PVT RBX
Test conditions		STC
Tolerance	(%)	0~+5
Efficiency of the modules	(%)	22,5
Nominal PV power	(W)	450
Open-circuit voltage	Voc (V)	52,9
Short circuit current	Isc (A)	10,74
Voltage at maximum power	Vm (V)	44,6
Amperage at maximum power	Im (A)	10,09
Cell type		monocrystalline Topcon cells
Number of cells	(Stk.)	144
Connection cable/plug		4 mm² MC4-plug
Snow load	(Pa)	5400
Wind load	(Pa)	4000
25 years performance guarantee		87 %
Maximum system voltage	(V)	1500

Heat exchanger		PRISMA® PVT RBX
Maximum thermal output	(W)	1100
Heat transfer medium		Solar fluid
Volume of heat transfer medium	(l)	1,75
Pressure loss	(mbar bei 144l/h)	17
Hydraulic connections		PlugIn quick connector
Operating pressure	(bar)	1-3
Flow rate	(l/h)	40-150
Stagnation temperature	(C°)	80

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