



2025-02

PRISMA[®] PVT 4.0

*PV electricity and solar thermal energy
from a hybrid collector*

Optimised overall solar efficiency 73%.
23% PV and 50% thermal efficiency.
More than 3 times the solar energy yield in comparison
to pure PV systems. 5-10% more electricity yield in
annual average than with uncooled PV modules.



PRISMA® PVT 4.0 - The sustainable ecological solution for:

- Single and multi-family houses
- Residential neighbourhoods
- Hotels and restaurants
- Campsites
- Paint shops
- Car wash stations
- Food industry
- Industrial sites
- Public buildings
- Schools
- Universities
- Sport facilities, fitness centres
- Hospital
- Retirement homes
- Laundries
- Swimming pool heating

Modul		PRISMA® PVT 4.0
Dimensions	(mm)	1762 x 1134 x 37
Module type		PVT double-glazed module, insulated
Unladen weight	(kg)	33

Photovoltaic properties		PRISMA® PVT 4.0
Test conditions		STC
Tolerance	(%)	0~+5
Efficiency of the modules	(%)	22,5
Nominal PV power	(WP)	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	(pcs.)	144
Connection cable/plug		4 mm ² MC4-plug
Snow load	(Pa)	5400
Wind load	(Pa)	4000
25 years performance guarantee		25 years 87 %
Maximum system voltage	(V)	1500

Thermal module properties		PRISMA® PVT 4.0
Max. heat output	(Wp)	960
Average heat output (Würzburg)	(kWh/m ² /year)	400
Average thermal output (Würzburg)	(kWh/year)	800
Input and output connection of thermal absorber	(mm)	Copper pipe 18 mm
Type of medium		Propylene glycol + water
Amount of medium	(liter)	1,34
Absorber sheet material		Aluminium
Register	(mm)	Copper pipe 8 mm
Insulation	(mm)	Rock wool 20
Guarantee on processing and absorber		10 years