



PRISMA PVT 3.0

Electricity and heat simultaneously from one hybrid collector

Optimised solar efficiency degree 75%
20% PV and 55% thermal efficiency
More than 3 times higher solar energy yield
compared to standard PV systems
5-10% more electricity yield on an annual average
compared to uncooled PV modules.



PRISMA PVT 3.0 - The sustainable ecological solution for:

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

Module		Prisma PVT 3.0
Dimensions	(mm)	1724 x 1134 x 35
Aperture area	(m ²)	1,95
Empty weight	(kg)	33

Modul PV-Sector		Prisma PVT 3.0
Test conditions		STC
Tolerance	(%)	0~+3
Module efficiency	(%)	20,97
Maximum performance Pmax	(W)	410
Open-circuit voltage	Voc (V)	37,45
Short circuit current	Isc (A)	13,85
Voltage at maximum power	Vm (V)	31,46
Current at maximum power	Im (A)	13,04
Cell type		monocrystalline silicium cell
Number of cells	(pcs.)	120 (6x20)
Connection cable/plug		4 mm ² MC4-plug
Snow load	(Pa)	5400
Wind load	(Pa)	2400
25 years performance guarantee		10 years 91%, 25 years 80,7 %

Thermal module properties		Prisma PVT 3.0
Construction		Closed backside. insulated harp coll
Insulation	(mm)	Stone wool 20 mm
Max. heat output	(Wp)	1059
Average thermal output per m ² (Würzburg)	(kWh/m ² /year)	409,5
Average thermal output per module (Würzburg)	(kWh/year)	798,5
In-and output connection of thermal absorber	(mm)	Copper pipe 22 mm
Type of fluid		Frost protection fluid for solar thermal
Volume of fluid	(liter)	2,378
Absorber sheet material		Aluminium
Register	(mm)	Copper pipes 8 mm
Warranty on workmanship and absorber		10 years