

Hybrid solar panel (Heat + Electricity)

High temperature PVT

1300 W_{thermal}

260 W_{electrical}

2.57 m² (Solar cell area 1.24 m²)

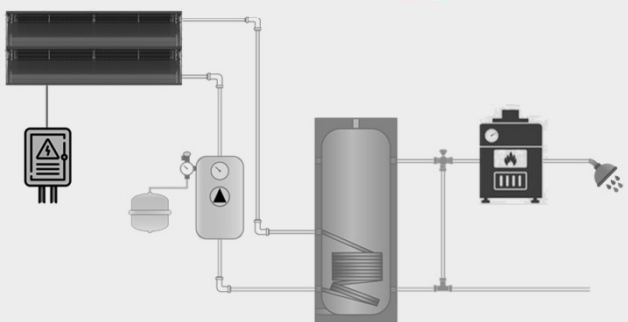
Hot water solution

40 - 70 °C hot water

ISDE subsidy package code

KA15995

KA15996



Technical Specifications

General

Type	Photovoltaic-Thermal (PVT) hybrid collector
Dimensions (L x W x H)	1054 x 2443 x 241 mm
Weight (Empty)	65 kg
Aperture area	2.31 m ²
Gross area	2.57 m ²
Cover	4 mm anti-reflective coated glass, super transparent, hailstone safe
Frame	Anodized aluminium & PMMA sides

Electric

Number of cells	152 (cell area 1.24 m ²)
Cell dimensions	52 x 156 mm
Maximum power rating P _{mpp} at STC	260 Wp ± 5%
Maximum power current (I _{mp})	6.5 A
Maximum power Voltage (V _{mp})	40 V
Short circuit Current (I _{sc})	7.83 A
Open circuit Voltage (V _{oc})	48.1 V
Temperature coefficient Power (%/C)	-0.336 %

Thermal

Thermal heat loss coefficient	a ₁ = 3.78 W / m ² - K ; a ₂ = 0.014 W / m ² - K ²
Absorber material	Aluminium and encapsulated PV cells
Peak thermal power	1300 W
Capacity antifreeze	1.4 L
Maximum working pressure	6 bar
Permissible location	Flat roof and ground
Mounting	Stationary (non-tracking)

Contact  

Newtonweg 20, 5928 PN Venlo

info@solarus.com

+31 (0)77 30 209 88