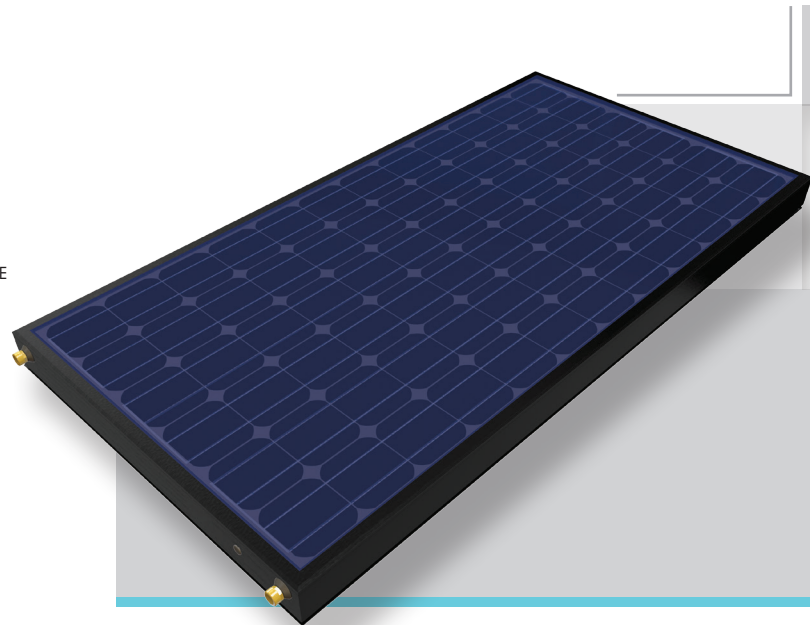
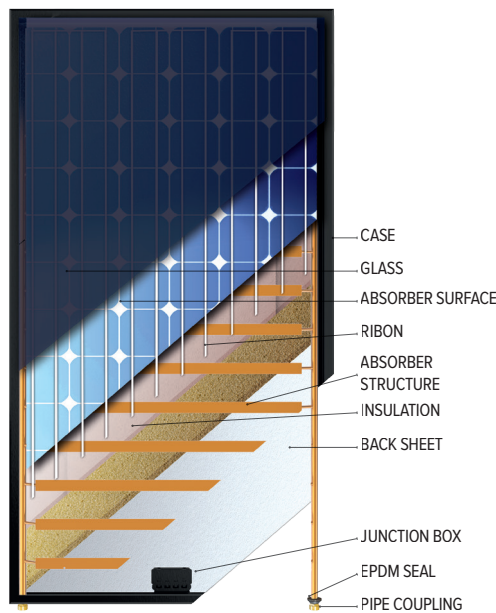


POWER THERM

Electricity and usable thermal hot water at the same time from one panel
 Extra electricity production of up to 20% per year with cooled PV cells
 More hot water with PowerTherm



TECHNICAL SPECIFICATIONS

	PowerTherm (PV- T Glazed)
Product Code	MA- 0014
Dimensions (mm)	828x 1640 x 110
Gross Area (m ²)	1,474
Aperture Area (m ²)	1,427
Absorber Area (m ²)	1,270
Weight (kg)	34,4
Liquid Content	1,21
Absorber Panel	Mono-Crystalline
Number of Cells	72
Cell Dimensions (mm)	125 x 125
WP (W) Nominal Power	180
I _{mp} (A) Nominal Current	5,12 A
I _{sc} (V) Short Circuit Current	5,55 A
V _{mp} (V) Nominal Current	35,15 V
V _{oc} (V) Open Circuit Voltage	43,39
Heat Exchanger	Copper
Internal Piping	Copper
Test Pressure (bar)	13
Maximum Operating Pressure (bar)	6
Cover Glass	Extra Low Iron Tempered Glass
Sealing	EPDM & Silicone
Maximum Temperature	134°C
Base Sheeting	Embossed - Finished Aluminum
Rear Side	Aluminum
Product Warranty	10 Years
Production Guarantee	%90<10 years, %80<20 years

	PowerTherm (PV- T Glazed)
Product Code	MA- 0014
Temperature coefficient of I _{sc}	0.06%/°C
Temperature coefficient of V _{oc}	-0.34%/°C
Temperature coefficient of P _{max}	-0.45%/°C
Power Tolerance	±3%
Module electrical efficiency	12.90%
η ₀ (Zero Loss Collector Efficiency)	0.486
a ₁ (first order heat loss)	4.028
a ₂ (second order heat loss)	0.067
MC4 connector (brand / model)	JMTHY / PV-JM601
WP (W) Thermal Power	680
Recommended flow rate (L/Hr)	65
Country of manufacture	Turkey
Manufacturer	Solimpeks Solar Energy Corp.