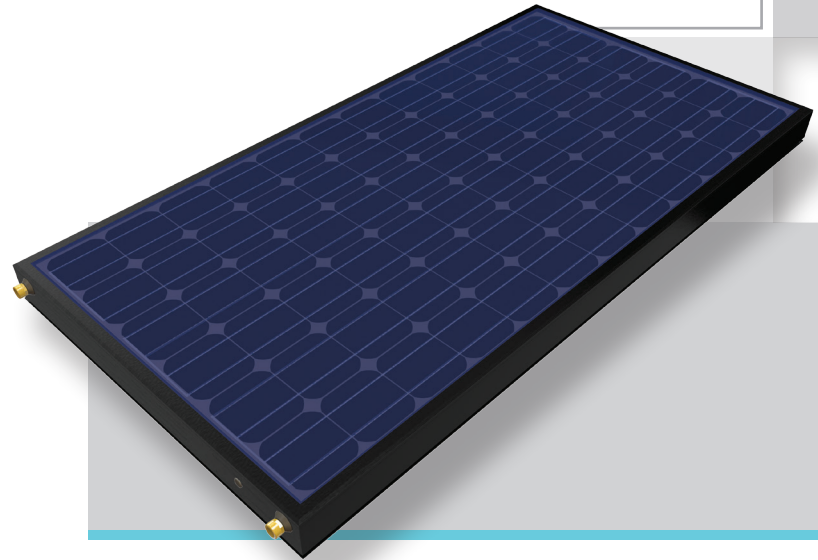
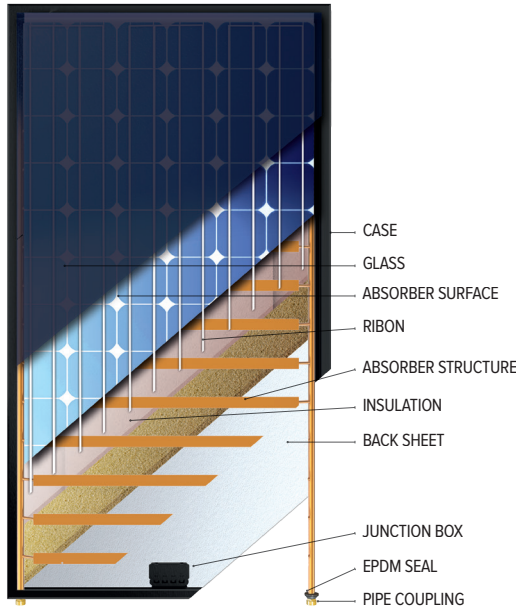


## VOLTHER POWERVOLT

Electricity and usable thermal hot water at the same time from one panel  
 Extra electricity production of up to 25% per year with cooled PV cells  
 More electricity with PowerVolt



## TECHNICAL SPECIFICATIONS

	PowerVolt
Product Code	MA- 0013
Dimensions (mm)	828x1601x90
Gross Area (m <sup>2</sup> )	1,370
Aperture Area (m <sup>2</sup> )	1,326
Absorber Area (m <sup>2</sup> )	1,194
Weight (kg)	24,4
Liquid Content	1,21
Absorber Panel	Mono-Crystalline
Number of Cells	72
Cell Dimensions (mm)	125 x 125
WP (W) Nominal Power	200
I <sub>mp</sub> (A) Nominal Current	5,28
I <sub>sc</sub> (V) Short Circuit Current	5,66
V <sub>mp</sub> (V) Nominal Current	37,89
V <sub>oc</sub> (V) Open Circuit Voltage	45,26
Heat Exchanger	Copper
Internal Piping	Copper
Test Pressure (bar)	13
Maximum Operating Pressure (bar)	6
Cover Glass	PV Glass
Sealing	EPDM & Silicone
Maximum Temperature	101°C
Base Sheeting	Embossed - Finished Aluminum
Rear Side	Aluminum
Product Warranty	10 Years
Production Guarantee	%90<10 years, %80<20 years

	PowerVolt
Product Code	MA- 0013
Temperature coefficient of I <sub>sc</sub>	0.06%/°C
Temperature coefficient of V <sub>oc</sub>	-0.34%/°C
Temperature coefficient of P <sub>max</sub>	-0.45%/°C
Power Tolerance	±3%
Module electrical efficiency	15.08%
η <sub>0</sub> (Zero Loss Collector Efficiency)	0.475
a <sub>1</sub> (first order heat loss)	8.37
a <sub>2</sub> (second order heat loss)	0.586
MC4 connector (brand / model)	JMTHY / PV-JM601
WP (W) Thermal Power	630
Recommended flow rate (L/Hr)	65
Country of manufacture	Turkey
Manufacturer	Solimpeks Solar Energy Corp.