

Hybride

In these systems, production of both electricity and hot water is done simultaneously. In PV modules, as the module temperature increases, the efficiency of the module goes down. In hybrid modules, the module heat is absorbed in order to produce hot water. This way, PVT efficiency is optimized as the heat is transferred into water for hot water need.



Hybride PVT

Specification	Hybride Premium PVT	Hybride Classic PVT
Article Code	MMPVT-1414	MWPVT-1414
Dimension	870x1660x105 mm	860x1640x90 mm
Weight	34,4 kg	24,4 kg
Liquid Content	1,2 l	1,2 l
Absorber Panel	Mono-Crystalline	Mono-Crystalline
Number of Cells	72	72
Cell Dimensions	125 x 125 mm	125 x 125 mm
WP (W) Nominal Power	175 W	175 W
Imp (A) Nominal Current	4,93	4,93
Isc (V) Short Circuit Current	5,2	5,2
Vmp (V) Nominal Current	35,3	35,3
Voc (V) Open Circuit Voltage	44,2	44,2
Heat Exchanger	Copper Strip	Copper Strip
Internal Piping	Copper	Copper
Flow (l/h)	65	65
Test Pressure	20 bar	20 bar
Operating Pressure	10 bar	10 bar
Cover Glass	4mm Low Iron Tempered	4mm Module Glass
Sealing	EPDM & Silicone	EPDM & Silicone
Maximum Temperature	<110°C	<110°C
Housing	Aluminum	Aluminum
Rear Side	Aluminum	Aluminum
Product Warranty	10 Years	10 Years
Productivity Guaranty	%90 < 10 years, %80 < 20 years	%90 < 10 years, %80 < 20 years
Cena	800.00 Ls bez PVN; 968.00Ls ar 21% PVN	750.00 Ls bez PVN; 907.50Ls ar 21% PVN

Radiation	1000 W/m ²		
$\Delta T=10^{\circ}\text{C}$	Q=55 l/h/m ²	W/m ²	η
Tout	Wth/m ²	We/m ²	Wth/m ²
10°C	>680	146,00	>82,0 %
20°C	680	138	81%
40°C	557	123	68%
60°C	475	108	58%
80°C	370	96	46%