



FEGEN heat exchanger is a retrofit unit which has the ability to convert in a certified under SRCC OG-100 way any UL listed solar (PV) panel of the market into an efficient photovoltaic-thermal (PVT) panel.

Its construction allows the connection with any photovoltaic (PV) panel without any operation changes. This conversion results in a higher combined output of the PVT panel and a significant increase in the efficiency of the electrical operation of the photovoltaic (PV) panel (especially during the summer time) as the heat exchanger operation cools it.

FEGEN heat exchanger can be also operated alone, without being integrated in a PV panel, offering high thermal output. In such a case, there is no need of use of the insulation sheet and support brackets.

TECHNICAL SPECIFICATIONS

Mechanical Specifications

Material	Aluminum
Dimensions	1,550 x 960 x 18 mm
Gross area	1.49 m ²
Weight (Empty Collector)	7 kgs
Thermal Connectors	4 * EPDM Rubber Stainless Steel Overbraid with threaded 3/8in female & snap 1/2in male

Operation Specifications

Fluid content	~ 0.8 L
Volume of heat transfer fluid	~ 0.8 L
Nominal pressure	1.5 bar
Maximum operation pressure	6 bar
Maximum withstanding pressure	>10 bar
Stagnation temperature	94°C max
Minimum installation angle	5°
Thermal output in Retrofit mode	690W
Operating Temperature	According to the operating temperature of the respective PV panel

