ULTRA Triple Boosting Innovative Revolution Technology is Here

Ultra Hybrid **530Wp** Bifacial Photo-Voltaic & **1,180Wp** Thermal Production system

The most efficient Semi Transparent **HYBRID BPVTPT** in the market

- ✓ **Up to 45% and more Energy production of 4.8KW 1m²****
  Vs Regular Photo-Voltaic Panel (throughout yearly average **hottest day hours**).
- ✓ **At the same time & space simultaneously producing Elec & Thermal Energy.**
- ✓ **Up to +23% Improvement in Electric efficiency** through active **PV** cells cooling.
- ✓ **SMART HOT SPOT FREE** thus optimize panel performance increased annual electric yield.
- ✓ Higher Energy, represent the next generation of **Ultra Triple-Bosting Energy Module technology** of **BPVTPT****.
- ✓ **Triple Tempered Glass** advanced for complete surface heat **absorption**.
- ✓ Remains snow-free during winter due to a defrosting effect as result of constant closed differential water circulation and relies on flexible self-expansion coefficient.
- ✓ **Hybrid BPVTPT** systems, due to the increased efficiency and the possibility of cogeneration, Electrical and Thermal, significant savings-installation simple and more cost effective when compared to standard collector and dual separate PV and Thermal pipe PVT.
- ✓ An alternative to roof tiles/roofing, greenhouse and thermal rooftop insulation.
- ✓ Powerful and lightweight – only 43 Kg
- ✓ Reduced aging of PhotoVoltaic cells.
- ✓ Performance Guarantee; 8 years **94%** Linear Power output
  30 years **86%**

The P.G Solar Greener **ULTRA HYBRID BPVTPT (Bifacial PV partly Transparent Panel Thermal) Designed of Black Half- cut monocrystalline** modules are connected to its internal closed loop **DC** water pump.
Therefore, the system provides all of the required **sanitary hot water needs,** as well as additional **25%-30%** of all **Thermal Energy** which is needed for operation a domestic 3-sources of energy **HYBRID AC(el) & PV & Thermal SOLAR Air Conditions unit.**

General Specifications of Ultra Hybrid Half-Cut Black Mono-Crystalline Module (Standard Test Condition STC)

No hot spot temperature		Electrical
Dimensions	2,094x1,038x35 mm	
Double Tempered glass design	144 cells or more	
Module Efficiency Front	20.7%	Pmax 450Wp
Incorporated additional Gain	**25.5%** +~80w	Pmax **530 Wp**
Thermal hot water/air generation	(~ 150Lit. 55°C-60°C. 4.5h)	**1,180 Wtp**
Internal liquid capacity	3.8Liter	
Liquid/Air flow rate	280l/hour	Air 8 m³/h
Insulation & Junction electric box	IP68	
Number of connections (IN or EX ½")	4/8. Tubes DIA Ø 16/20 mm	
Max Stagnation Temp - 64°C.	**Temp Coefficient - 0.35% at 1°C**	

MORE ENERGY production within the **SAME PHYSICAL PLATFORM**

Electrical & Thermal Price:
0.24 Euro/Watt*
*connection & supports not included

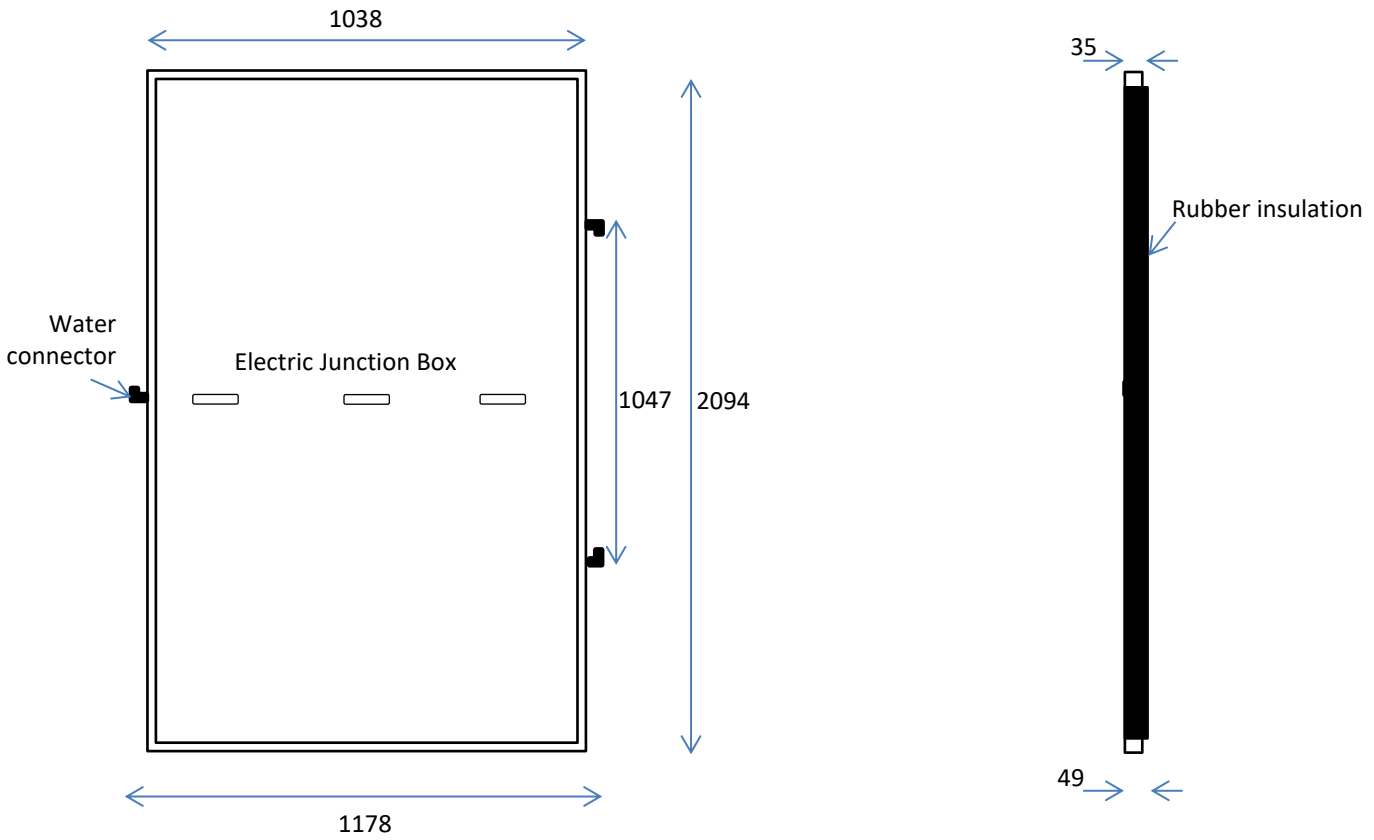
Photovoltaic panels Certified by TUV NORD CERT Gmbh
STC; Irradiation 1,000W/m², panel temperature 25° C air mass = 1m/s
** Installed above a differential telescopic elliptical sun tracking mechanism (Tested at average 7.5 hours Day)
Price FOB Israel

P.O.B 198 zip 4410102 Kfar Saba Israel +972 54 7275551
www.pgsolar-greener.com Petergreenerenergy@gmail.com No R 065847501

ULTRA Triple Boosting Innovative Revolution Technology is Here

Ultra Hybrid **530Wp** Bifacial Photo-Voltaic & **1,280Wp** Thermal Production system

The most efficient Semi Transparent **HYBRID BPVTPT** in the market



P.O.B 198 zip 4410102 Kfar Saba Israel +972 54 7275551
www.pgsolar-geenergy.com Petergreenerenergy@gmail.com No R 065847501