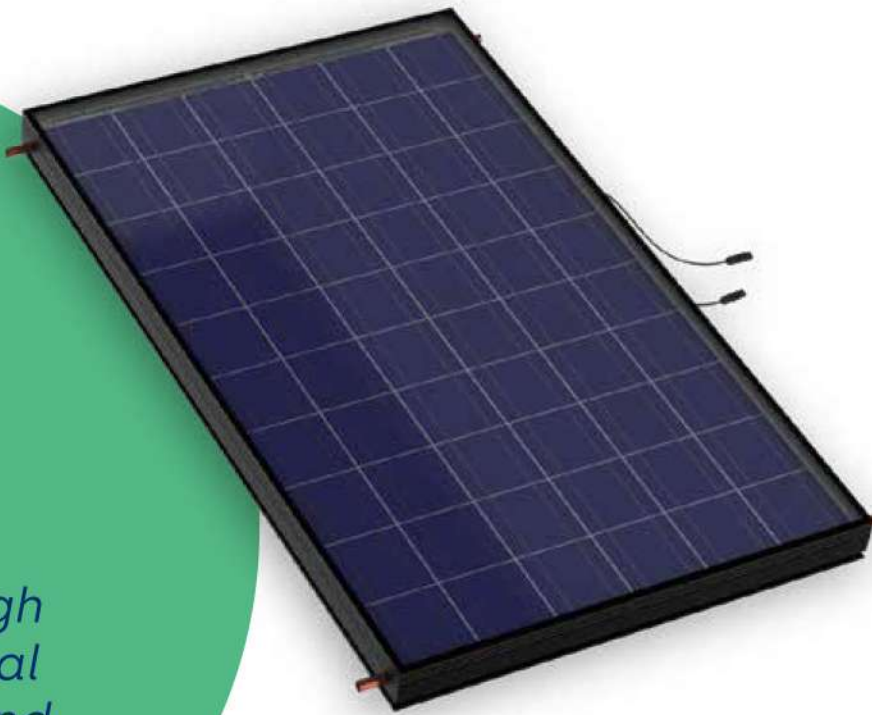


Hybrid Solar Panel

ecomesh

enDef Solar Solutions.



For high thermal demand



- Simultaneous production of electricity and heat
- CTA Technology
- Reduces the collection surface by 40% compared to PV+thermal
- Up to 15% of efficiency improvement versus a conventional PV panel

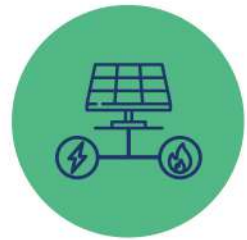


Ensamblado en España



IEC 61215
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General features

Cell size	156 x 156 mm
Cell number	60 mono
Front Glass	3.2 mm tempered glass
Weight	45.8 kg
Dimensions (LxWxT)	1645 x 978 x 93 (+25) mm
Junction box	IP65 / IP67 disponibles
Cable length	1000 mm
Cable section	4 mm ²
Diodes number	3
Connectors	MC4 compatible
Frame	Anodized aluminum
Collection surface	1.55 m ²

Thermal specifications

Maximum pressure	10 bar
Absorber	Copper
Fluid Volume	1.2 L
Optical performance (η_0)	0.51
Heat loss coefficient, α_1	4.93 W/m ² k
Heat loss coefficient, α_2	0.021 W/m ² k ²
Pressure loss	0.04 bar

Packing information

Container	20'GP	40'GP	40'HQ
Pallets per container	12	28	28
Units per container	300	700	770

Electric specifications

Values tested under STC Standard Conditions (AM 1.5, Irradiance 1000 W/m², Cell temperature 25°C).

Maximum Power (Pmax)	260 Wp
Nominal Voltage (Vmp)	31.65 V
Maximum Power Current (Imax)	8.06 A
Open Circuit current (Voc)	38.58 V
Short Circuit current (Isc)	9.06 A
Tolerance	0 + 4.99 Wp
Module Efficiency	15.98%
Maximum system voltage	DC 1000V (TUV)
Working Temperature	-40° C / +85° C
Maximum reverse current	15A
Maximum wind/snow load	2400Pa / 5400Pa
Protection degree IP	IP65
Safety class	II
Voltage temp. coefficient	-0.37%/K
Current temp. coefficient	+0.06%/K
Power temp. coefficient	-0.47%/K

Ecomesh panels are differentiated by including CTA technology, which improves overall performance, recovering the heat that other panels lose through their front face. This technology has been validated, patented, tested and installed by EndeF Engineering.



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