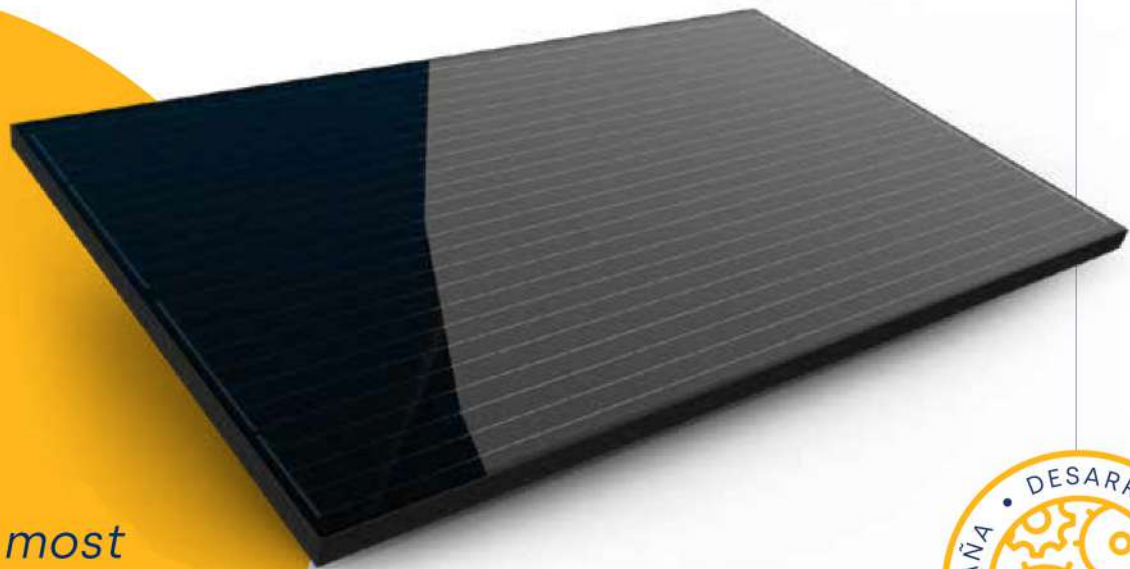


Hybrid Solar Panel

ecovolt

ENDEF Solar Solutions.



The most adaptable hybrid



- Simultaneous production of electricity and heat
- 320Wp of electrical power
- Monocrystalline cell
- Up to 15% of efficiency improvement versus a conventional PV panel



Ensamblado en España



IEC 61215
IEC 61730





General features

Cell size	156 x 156 mm
Cell number	60 mono
Front Glass	3.2 mm tempered glass
Weight	30.5 kg
Dimensions (LxWxT)	1640 x 992 x 40 mm
Junction box	11P67
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	6 bar
Absorber	Aluminum
Fluid Volume	0.88 L
Optical performance (η_0)	0.472
Heat loss coefficient, α_1	9.5 W/m ² k
Heat loss coefficient, α_2	0 W/m ² k ²
Pressure loss	0.06 bar

Packing information

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

Electric specifications

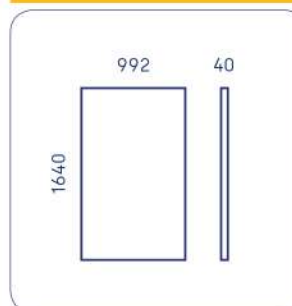
Values tested under STC Standard Conditions (AM 1.5, irradiance 1000 W/m², Cell temperature 25°C)

Maximum Power (P _{max})	300 Wp
Nominal Voltage (V _{mp})	32.50 V
Maximum Power Current (I _{max})	9.25 A
Open Circuit current (V _{oc})	38.80 V
Short Circuit current (I _{sc})	9.85 A
Tolerance	0 + 4.99 Wp
Module Efficiency	18.44%

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	-0.31%/K
Current temp. coefficient	+0.03%/K
Power temp. coefficient	-0.39%/K

Dimensions



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