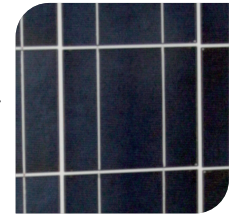


P Polycrystalline module  
**YE6220P (Solrif ®)**



### Description

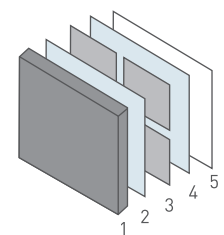
Yohkon Energia, Spanish company that develops and manufactures modules and photovoltaic applications, presents its high-performance solar roof tile **YE6220P Solrif®**, specifically designed for roof-integrated systems thanks to the framing of the PV laminate with the patented system **SOLRIF®XL**. Each module includes 60 polycrystalline 6-inch solar cells, ensuring a maximal power production in a limited area for a longer period of time. The module **YE6220P Solrif®** in addition to its own characteristics, it is packed in a transportation system, Yohkon Ecotitan®, which guarantees a safer transportation and facilitates the installation process, minimizing waste that may occur in the process of unpackaging.

### Applications

- PV-grid connected
- Off-grid connected
- Roof installations

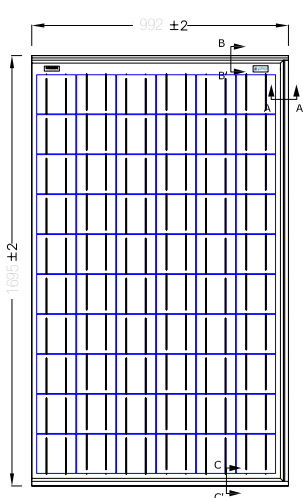
### Construction

- 1) Front layer: tempered glass
- 2) First layer encapsulant
- 3) Crystalline photovoltaic cells
- 4) Second layer encapsulant
- 5) Backsheet

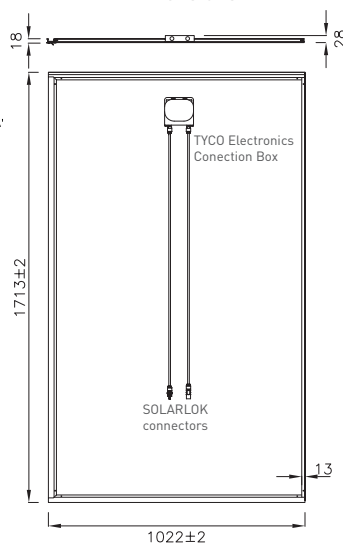


### Module diagrams

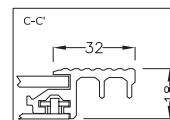
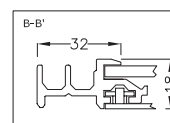
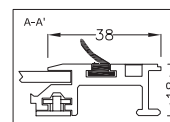
Installation Dimensions



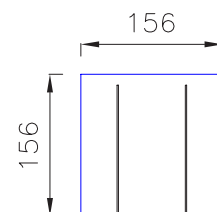
Dimensions



Profile



Cell



# YE6220P (Solrif ®)

## Performance parameters

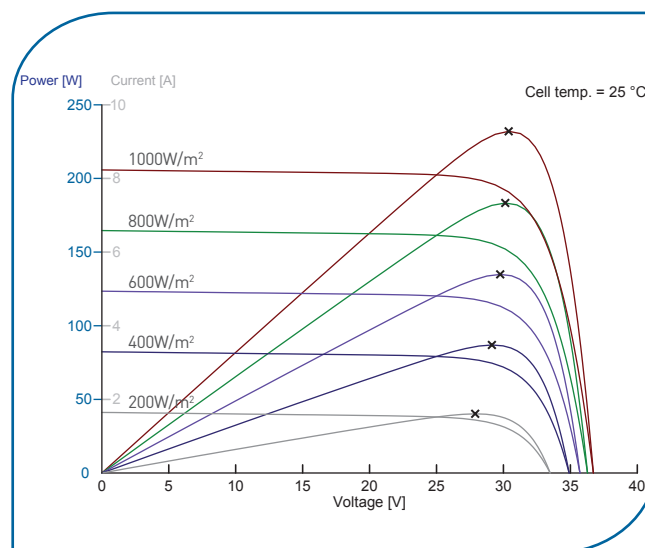


Parameters		YE6220P_210	YE6220P_215	YE6220P_220	YE6220P_225	YE6220P_230
Maximum power 0%,+3% (Wp)	$P_{mpp}$	210	215	220	225	230
Voltage at maximum power point (V)	$V_{mpp}$	29,85	30,12	30,24	30,48	30,60
Current at maximum power point (A)	$I_{mpp}$	7,10	7,23	7,31	7,49	7,58
Open circuit voltage (V)	$V_{oc}$	36,00	36,06	36,24	36,60	36,72
Short circuit current (A)	$I_{sc}$	7,78	7,95	8,04	8,17	8,23
Efficiency	%	12,90	13,22	13,52	13,82	14,12

## Electrical data and figures

Voltage		24 V
Normal operating cell temperature	NOCT	45°C
Temp. coeff. open circuit voltage	$Tk(V_{oc})$	-156,00(mV/°C)
Temp. coeff. short circuit current	$Tk(I_{sc})$	4,20 (mA/°C)
Max. Potency temperature coeff.	$Tk(P_n)$	-0,42 (%/°C)
Module dimensions		1713x1022 ± 2mm
Installed Module dimensions		1695x992 ± 2mm
Width with frame, including connection box		28 mm.
Weight		22 kg.
Maximum system voltage		1000 V <sub>DC</sub>
Working temperature		-40°C a 85°C
Wind resistance		→130 km/h
Maximum hailstone diameter		25 mm.
Hailstone impact test speed		80 km/h

\* Standard test condition: AM1.5, 1000W/m<sup>2</sup>, 25°C



## Special Features

Module classified and packed according to their power and intensity

High level of light transmittance

Anodized aluminum frame Solrif XL (18mm thick)



Connection Box Tyco Electronics® with 3 bypass diodes (back-side located)

Tempered glass, 4mm

Module designed and manufactured in accordance with IEC-61215, IEC-61730 standards and certified by TÜV INTERCERT.

10 years 90% production guarantee, 25 years 80% production guarantee.

5 years product guaranteed against manufacturing defects.

Packed in:



Yohkon Energía, S.A. reserves the right to modify the product without prior notification.

All panels are manufactured at within our facilities in Spain.

Before installation, please read the corresponding instructions.

\*Mounting system and statics according to information from Schweizer Metallbau company ([www.schweizer-metallbau.ch](http://www.schweizer-metallbau.ch))

