yohkon
ENERGÍA

MONOCRYSTALLINE MODULE YE6180M

DESCRIPTION

The **YE6180M** panel offers the best market guarantees, based on the initial nominal power, i.e. guarantees more power during longer periods of time.

In addition, the bypass diodes use state-of-the-art technology, which limits the loss of energy in the event of partial module shading. As one of the most efficient modules manufactured by Yohkon Energía, the YE6180M is particularly suitable for those applications that require maximum energy production in a limited area.

The YE6180M is designed for grid-connected systems such as commercial building roofs and photovoltaic plants.

CHARACTERISTICS

The sheet structure consists of 4 mm tempered glass with a high degree of transmissibility on the front section, an EVA thermal stable encapsulant that envolves the cells, and electrical insulation at the rear made up of a Tedlar and polyester compound.

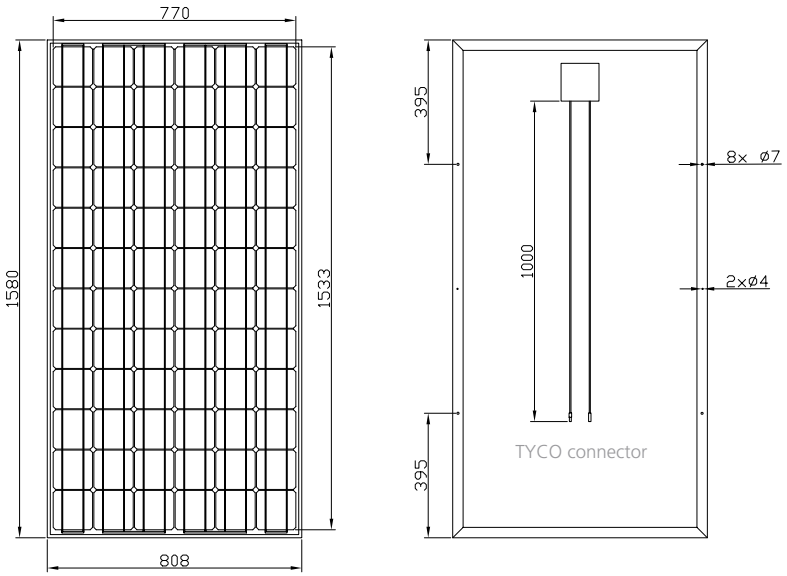
The highly efficient 125x125 mm^2 Moncrystalline cells feature an anti-reflective layer of nitride and flat copper electric contacts plated with a tin-silver alloy designed to improve welding performance.

WWW.YOHKON.COM
YOHKON ENERGIA S.A. C/Plomo, 5, Nave 9 - 47012 Valladolid (Spain)
Tel:00 34 983 31 30 02 Fax:00 34 983 31 30 14

ELECTRICAL DATA AND FIGURES

PARAMETERS		YE6180M_165	YE6180M_170	YE6180M_175	YE6180M_180
Maximum power -1%,+3% (W_p)	P_{mpp}	**165**	**170**	**175**	**180**
Voltage at maximum power point (V)	V_{mpp}	34,85	35,35	35,78	36,5
Current at maximum power point (A)	I_{mpp}	4,72	4,8	4,89	4,94
Open circuit voltage (V)	V_{oc}	43,06	43,27	43,56	43,99
Short circuit current (A)	I_{sc}	5,2	5,25	5,29	5,33
Efficiency		12,9%	13,3%	13,7%	14,1%
Voltage		24			
Normal Operating Cell Temperature	NOCT	45°C			
Temp. coeff. open circuit voltage	Tk(V_{OC})	-0,16 V/°C			
Temp. coeff. short circuit current	Tk(I_{SC})	+0,06 %/°C			
Measurements		1580x808 mm.			
Width with frame, including connection box		45 mm.			
Weight		17 kg.			
Maximum system voltage		1000 V_{DC}			
Working temperature		-40°C a 85°C			
Wind resistance		>130km/h			
Maximum hailstone diameter		25 mm.			
Hailstone impact test speed		80 km/h			

* Standard test condition: AM1.5, 1000W/m², 25ºC



MODULE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH **IEC-61215** STANDARDS AND CERTIFIED BY **AENOR** (Laboratorio CENER)

10 years 90% production guarantee

25 years 80% production guarantee

5 years Product guaranteed against manufacturing defects

Electrical Safety Class II

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