

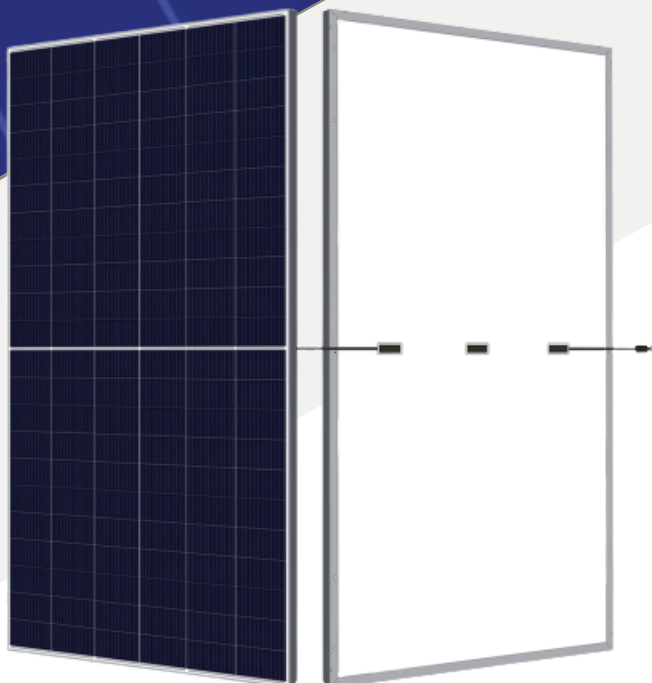
## TOP - 700/720M-132HC

**132 CELL**  
Mono N - Type Module









**700 - 720Wp**  
Power Output Range

**1500VDC**  
Maximum System Voltage

**23.18%**  
Maximum Efficiency



### KEY SALIENT FEATURES

-  Industry leading lowest thermal co-efficient of power
-  Industry leading 25 years product warranty
-  Excellent low irradiance performance
-  Excellent PID resistance
-  Positive power tolerance of 0~+3%
-  Fully automated production at all stages
-  Fully Reduced power loss by minimizing the effect of shadow shading ( 9 - 18 Busbar)
-  European Warranty & After - Sales Service



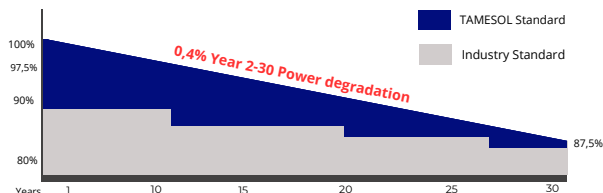
### TAMESOL BUILDING A GREEN FUTURE S.L

TAMESOL is a global provider of high-efficiency PV panels with a 10GW annual production capacity and a 100% automated production line, innovating state-of-the-art products for over 15 years. Our panels have been installed in more than 50 countries, with over 20 million panels already connected to the grid.

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### LINEAR PERFORMANCE WARRANTY

25 year Product Warranty / 30-Year Linear Power Warranty



**23,18%**

MAX MODULE  
EFFICIENCY

**0 - 3%**

POWER  
TOLERANCE

**1,0%**

FIRST YEAR POWER  
DEGRADATION

**0,40%**

YEAR 2-30  
POWER DEGRADATION

**N-TYPE CELL**

Lower operating temperature

## ELECTRICAL CHARACTERISTICS

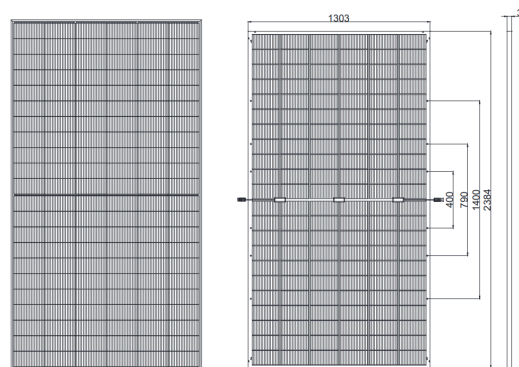
STC: AM1.5 1.000W/m<sup>2</sup> NOTC: AM1.5 800W/m<sup>2</sup> 20° 1 m/s Test uncertainty for Pmax +3%

Module type	TOP - 700M-132HC		TOP - 705M-132HC		TOP 710M-132HC		TOP - 715M-132HC		TOP - 720M-132HC	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Testing condition										
Maximum Power (Pmax/w)	700	528	705	531	710	535	715	539	720	543
Open Circuit Voltage (Voc/V)	48,40	45,98	48,56	46,13	48,73	46,29	48,88	46,44	49,04	46,60
Short Circuit Current (Isc/A)	18,40	14,61	18,46	14,64	18,53	14,7	18,60	14,76	18,67	14,82
Voltage at Maximum Power (Vmp/V)	40,42	38,4	40,53	38,5	40,65	38,61	40,77	38,73	40,89	38,86
Current at maximum Power (Imp/A)	17,32	13,75	17,40	13,8	17,47	13,86	17,54	13,92	17,61	13,98
Module Efficiency (%)	22,53%	17,00%	22,70%	17,09%	22,86%	17,22%	23,02%	17,35%	23,18%	17,48%

## MECHANICAL PARAMETERS

Cell Orientation	single crystal N-Topcon 210x105mm (132 pieces)
Junction Box	IP68, three diodes
Output Cable	4.0mm <sup>2</sup> 300mm(+) / 300mm(-) or customized
Glass	3.2mm tempered coated glass, low iron
Frame	Anodized aluminum alloy frame
Weight	37,5kg
Dimensión	2384*1303*35mm
Packaging	31 pcs*pallet / 558pcs*40HC

## PHYSICAL CHARACTERISTICS



## OPERATING PARAMETERS

Operational Temperature	-40°C - +85°C
Power Output Tolerance	(0, +3%)
Voc and Isc Tolerance	±3%
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30 A
Nominal Operating Cell Temperature	45±2°C
Protection Glass	Class II
Fire Rating	Class C
Bifacial - Factor	80% ± 10%

## MECHANICAL LOADING

Front Side Maximum Static Loading	5400 PA
Rear Side Maximum Static Loading	2400 PA
Hailstone Test	Diameter 25mm, impact speed 23m/s

## TEMPERATURA RATINGS (STC)

Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.29%/°C

## PACKING MANNER

Container	40ft(HQ)
Number of modules per container	558
Number of modules per pallet	31
Number of pallets per container	18

TAMESOL Authorized Solar Dealer

**Note:** The specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOTC is obtained under the Test Conditions: 800 W/m<sup>2</sup>, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact [info@tamesol.com](mailto:info@tamesol.com) for technical support. The actual transactions will be subject to the contracts. This parameter is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.