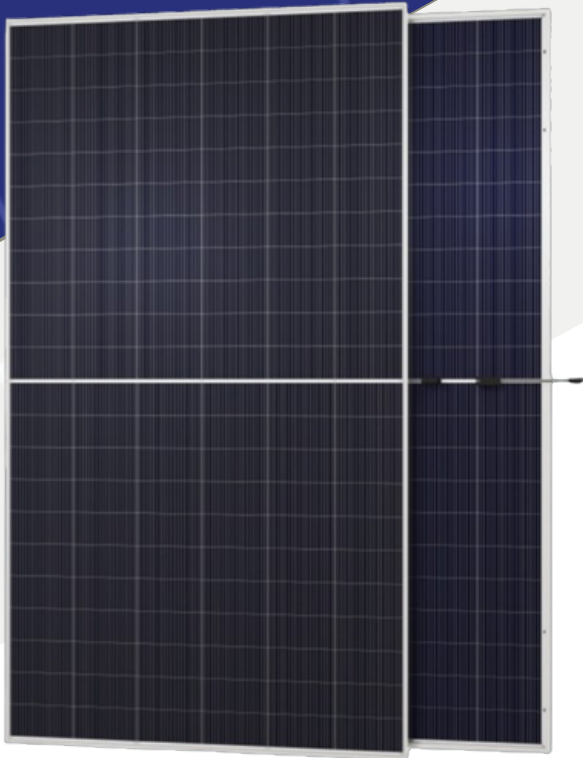


TOPSUN

BIFACIAL

HIGH PERFORMANCE
MONOCRYSTALLINE
N-TYPE TECHNOLOGY

132



TOP - 700/720M-132BI

132 CELL
Mono N - Type Module

700 - 720Wp
Power Output Range

Double Glass
Transparent Backsheet

23.18%
Maximum Efficiency

KEY SALIENT FEATURES



Industry leading lowest thermal co-efficient of power



Industry leading 15 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)



EU Brand & european after sales service



TAMESOL BUILDING A GREEN FUTURE S.L

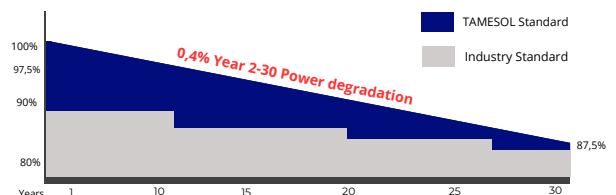
TAMESOL is a global provider of high-efficiency PV panels with a 10GW annual production capacity and a 100% automated production line, innovating state-of-the-art products for over 15 years. Our panels have been installed in more than 50 countries, with over 20 million panels already connected to the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

Tel : +34 933 801 596

E - mail: info@tamesol.com Website: www.tamesol.com

LINEAR PERFORMANCE WARRANTY

15 year Product Warranty / 30-Year Linear Power Warranty



TAMESOL
Energia para vivir

*Since 2007,
building a green future*

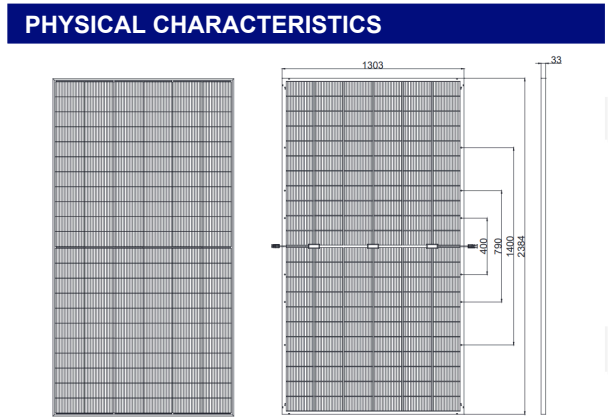
23,18% MAX MODULE EFFICIENCY	0 - +3% POWER TOLERANCE	1,0% FIRST YEAR POWER DEGRADATION	0,40% YEAR 2-30 POWER DEGRADATION	N-TYPE CELL Lower operating temperature
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ELECTRICAL CHARACTERISTICS STC: AM1.5 1.000W/m2 NOTC: AM1.5 800W/m2 20° 1 m/s Test uncertainty for Pmax 0 - +3%

Module type	TOP - 700M-132BI		TOP - 705M-132BI		TOP - 710M-132BI		TOP - 715M-132BI		TOP - 720M-132BI	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Testing condition	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
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 (%)	22,54%		22,70%		22,86%		23,02%		23,18%	

MECHANICAL PARAMETERS

Cell Orientation	single crystal N-Topcon 210x105mm (132 pieces)
Junction Box	IP68, three diodes
Output Cable	4.0mm² 300mm(+) / 300mm(-) or customized
Glass	2.0mm/ 2.0mm
Frame	Anodized aluminum alloy frame
Weight	37,5; 38kg
Dimensión	2384*1303*35mm
Packaging	31 / 37 pcs*pallet / 558/ 666pcs*40HQ



OPERATING PARAMETERS

Operational Temperature	-40°C - +85°C
Power Output Tolerance	(0, +3%)
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35 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

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	558/666
Number of modules per pallet	31 / 37
Number of pallets per container	18

TAMESOL Authorized Solar Dealer

Note: The specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m2 solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m2, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum. Please contact 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.