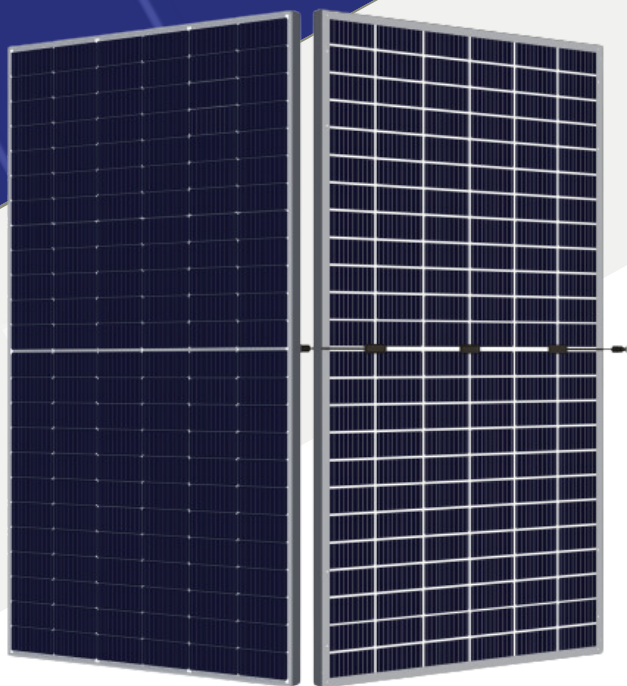


HIGH PERFORMANCE
MONOCRYSTALLINE
N- TYPE TECHNOLOGY
DOUBLE GLASS



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 : +34 872 222 388

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

TAMESOL
— be bright, go solar —

TOP - 700/720M-132BI

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



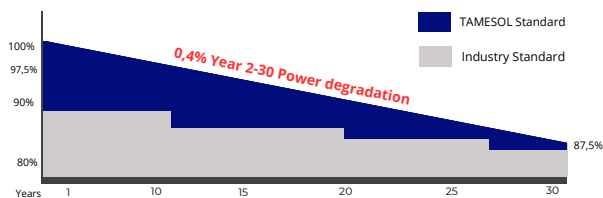
Fully Reduced power loss by minimizing the effect of shadow shading (9 - 18 Busbar)



European Warranty & After - Sales Service

LINEAR PERFORMANCE WARRANTY

25 year Product Warranty / 30-Year Linear Power Warranty



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

ELECTRICAL CHARACTERISTICS

STC: AM1.5 1.000W/m2

NOTC: AM1.5 800W/m2 20° 1 m/s Test uncertainty for Pmax +3%

Module type	TOP - 700M-132BI		TOP - 705M-132BI		TOP - 710M-132BI		TOP - 715M-132BI		TOP - 720M-132BI	
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%	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 4.0mm² 300mm(+) / 300mm(-) or customized

Glass 2.0mm/ 2.0mm

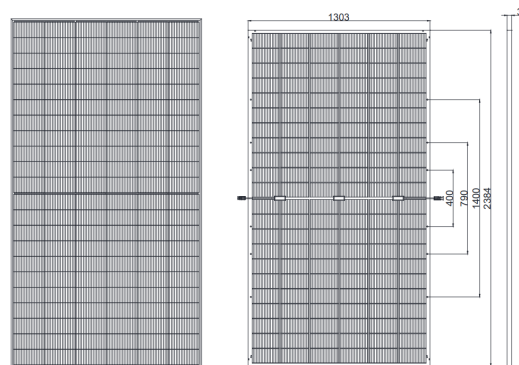
Frame Anodized aluminum alloy frame

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 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

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/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.