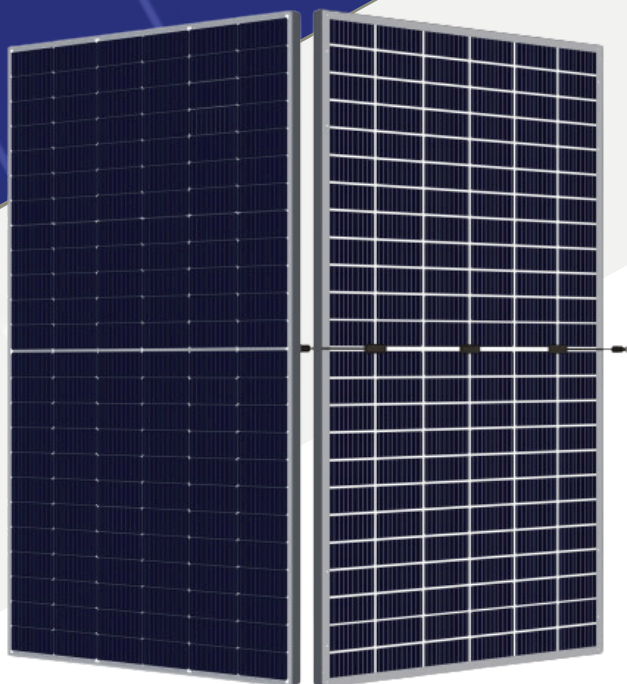


PERC**MAX**

BIFACIAL

HIGH PERFORMANCE
BIFACIAL MONOCRYSTALLINE
P.E.R.C MODULE



TM - 535/555M-144BI

144 CELL
Mono PERC Module

535 - 555Wp
Power Output Range

1500VDC
Maximum System Voltage

21.70%
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)



European Warranty & After - Sales Service



TAMESOL BUILDING A GREEN FUTURE S.L

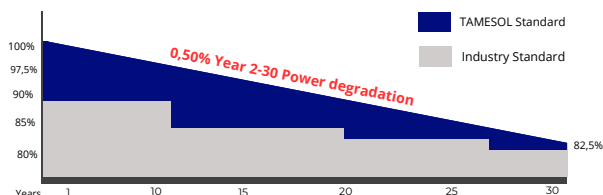
TAMESOL is a global provider of high-efficiency PV panels with a 10GW annual production capacity and a 100% automated production line, innovating state-of-the-art products for over 15 years. Our panels have been installed in more than 50 countries, with over 20 million panels already connected to the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

Tel : +34 872 222 388

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

LINEAR PERFORMANCE WARRANTY

15 year Product Warranty / 30-Year Linear Power Warranty



TAMESOL **15**
YEARS

Since 2007, building a green future

21,70%

MAX MODULE
EFFICIENCY

0 - +3%

POWER
TOLERANCE

2,0%

FIRST YEAR POWER
DEGRADATION

0,50%

YEAR 2-30
POWER DEGRADATION

PERC 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 0 - +3%

Module type	TM - 535M-144BI		TM - 540M-144BI		TM - 545M-144BI		TM - 550M-144BI		TM - 555M-144BI	
Testing condition	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax/w)	535	404.8	540	408.6	545	412.4	550	416.2	555	420
Open Circuit Voltage (Voc/V)	48.96	46,21	49,24	46,48	49,52	46,74	49,80	47.01	50.08	47.28
Short Circuit Current (Isc/A)	13,73	11.00	13,78	11.04	13,83	11.08	13,88	11.12	13,93	11,60
Voltage at Maximum Power (Vmp/V)	41,22	38.23	41,45	38.45	41,70	38.67	41,93	38.90	42,18	39.12
Current at maximum Power (Imp/A)	12,98	10.58	13.03	10.62	13.07	10,66	13,12	10,70	13,16	10,74
Module Efficiency (%)	20,90%		21.10%		21,30%		21,50%		21,70%	

MECHANICAL PARAMETERS

Cell Orientation single crystal PERC182x91mm (144 pieces)

Junction Box IP68, three diodes

Output Cable 300mm (can be customized)

Glass 3.2mm tempered coated glass, low iron

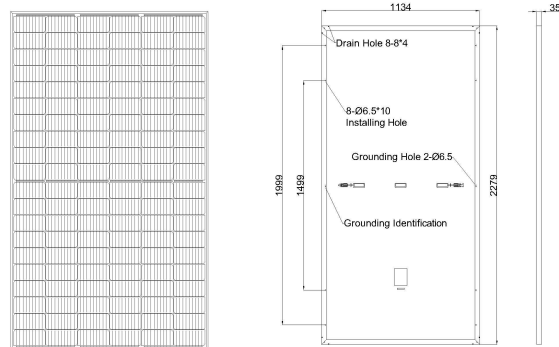
Frame Anodized aluminum alloy frame

Weight 31,32,32.6kg

Dimensión 2279*1134*35mm

Packaging 31/36/37 pcs*pallet / 620/740 pcs*40HQ

PHYSICAL CHARACTERISTICS



OPERATING PARAMETERS

Operational Temperature -40°C - +85°C

Power Output Tolerance (0, +3%)

Maximum System Voltage 1500V DC

Maximum Series Fuse Rating 25 A

Nominal Operating Cell Temperature 45±2°C

Protection Glass Class II

Fire Rating Class C

Bifacial- Factor 70%±5%

MECHANICAL LOADING

Front Side Maximum Static Loading 5400 PA

Rear Side Maximum Static Loading 2400 PA

TEMPERATURA RATINGS (STC)

Temperature Coefficient of Isc +0.05%/°C

Temperature Coefficient of Voc -0.27%/°C

Temperature Coefficient of Pmax -0.36%/°C

PACKING MANNER

Container 40ft(HQ)

Number of modules per container 620 / 720 / 740

Number of modules per pallet 31 / 36 / 37

Number of pallets per container 20

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.