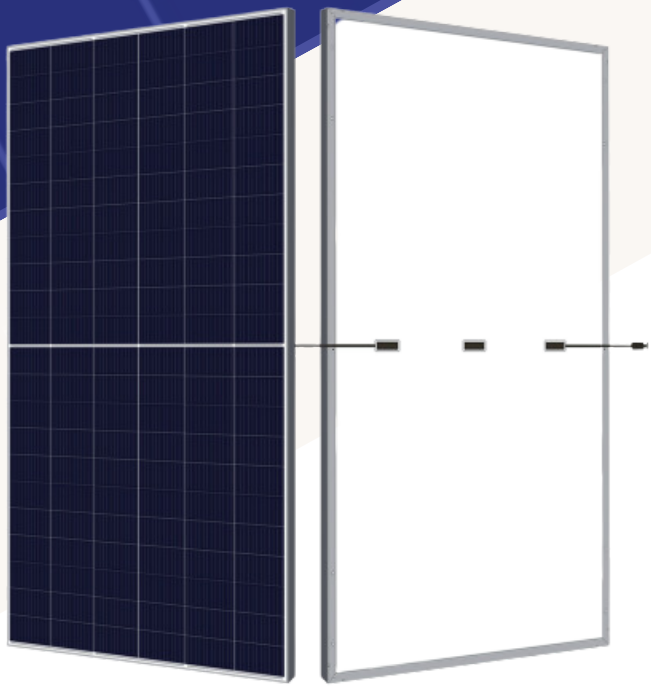
PERCMAX

HIGH PERFOMANCE MONOCRYSTALLINE P.E.R.C MODULE

144



TM - 540/560M-144HC

144 CELL
Mono PERC Module

540 - 560Wp
Power Output Range

1500VDC
Maximum System Voltage

21.90%
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

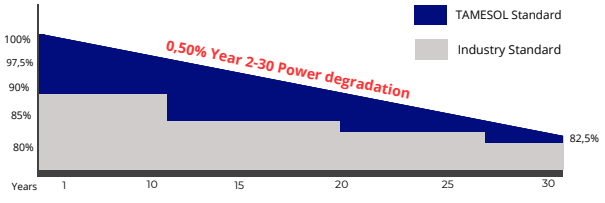
TAMESOL BUILDING A GREEN FUTURE S.L

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

PERCMAX

TM-540/560M-144HC

21,90%	0 - +3%	2,0%	0,50%	PERC CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	Lower operating temperature

ELECTRICAL CHARACTERISTICS

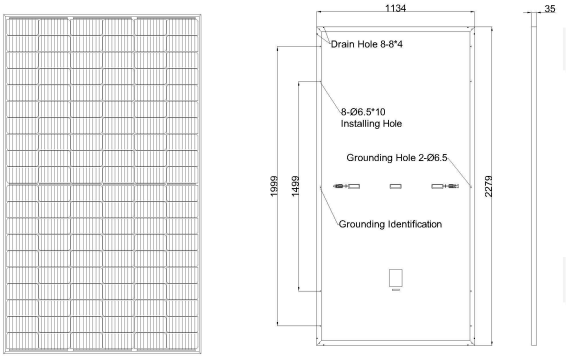
STC: AM1.5 1.000W/m2 NOTC: AM1.5 800W/m2 20º 1 m/s Test uncertainty for Pmax 0 - +3%

Module type	TM - 540M-144HC		TM - 545M-144HC		TM - 550M-144HC		TM - 555M-144HC		TM - 560M-144HC	
Testing condition	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax/w)	540	408.6	545	412.4	550	416.2	555	420.0	560	423.8
Open Circuit Voltage (Voc/V)	49.75	46.96	49,98	47.18	50.22	47.40	50.45	47.62	50.68	47.85
Short Circuit Current (Isc/A)	13,63	10.92	13,66	10.94	13,70	10.97	13.73	10.99	13.76	11.02
Voltage at Maximum Power (Vmp/V)	42.06	39.01	42.35	39.28	42.64	39.55	42.93	39.82	43.22	40.09
Current at maximum Power (Imp/A)	12,84	10.47	12,87	10,50	12.90	10,52	12.93	10,55	12.96	10,57
Module Efficiency (%)	21.10%		21,30%		21,50%		21,70%		21,90%	

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	28,5 kg
Dimensión	2279*1134*35mm
Packaging	36 pcs*pallet / 620 pcs*40HQ

PHYSICAL CHARACTERISTICS



OPERATING PARAMETERS

Operational Temperature	-40ºC - +85ºC
Power Output Tolerance	(0, +3%)
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25 A
Nominal Operating Cell Temperature	45±2ºC
Protection Glass	Class Ⅱ
Fire Rating	Class C

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%/ºC
Temperature Coefficient of Voc	-0.27%/ºC
Temperature Coefficient of Pmax	-0.36%/ºC

PACKING MANNER

Container	40ft(HQ)
Number of modules per container	620
Number of modules per pallet	36
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.