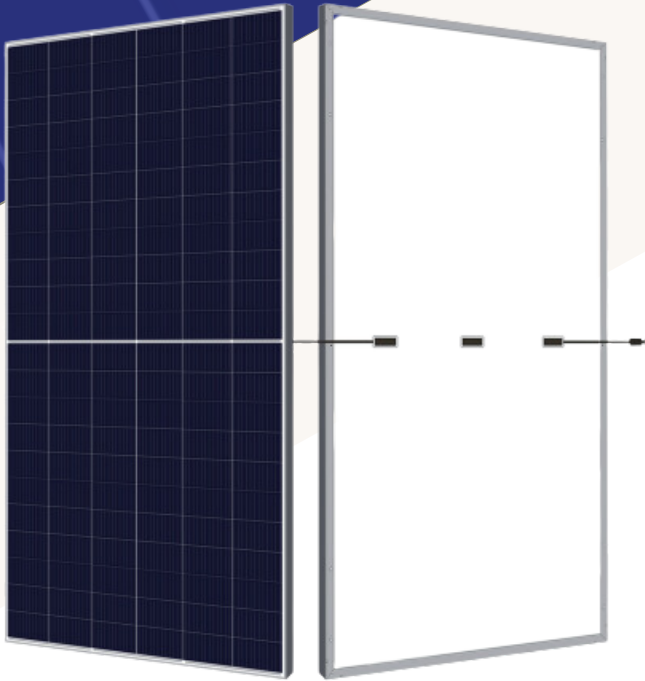


PERC MAX

HIGH PERFORMANCE
MONOCRYSTALLINE
P.E.R.C MODULE



132

TM - 655/675M-132HC









132 CELL
Mono PERC Module

655 - 675Wp
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

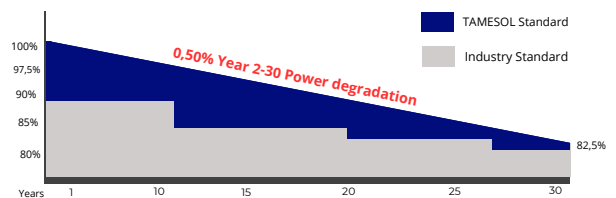
TAMESOL is a global provider of high-efficiency PV panels with a 10GW annual production capacity and a 100% automated production line, innovating state-of-the-art products for over 15 years. Our panels have been installed in more than 50 countries, with over 20 million panels already connected to the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

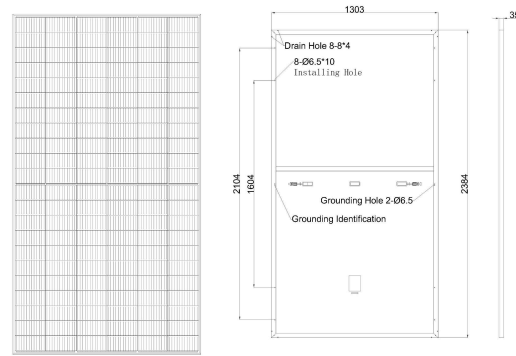
STC: AM1.5 1.000W/m2 NOTC: AM1.5 800W/m2 20° 1 m/s Test uncertainty for Pmax 0 - +3%

Module type	TM - 655M-132HC		TM - 660M-132HC		TM - 665M-132HC		TM - 670M-132HC		TM - 675M-132HC	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax/w)	655	495.6	660	499.4	665	503.1	670	506.9	675	510.7
Open Circuit Voltage (Voc/V)	45.40	42.77	45.60	42.96	45.80	43.14	46.00	43.33	46.20	43.52
Short Circuit Current (Isc/A)	18.50	14.92	18.55	14.96	18.60	15.00	18.65	15.04	18.70	15.08
Voltage at Maximum Power (Vmp/V)	37.60	35.08	37.80	35.26	38.00	35.45	38,20	35.64	38,40	35.82
Current at maximum Power (Imp/A)	17,42	14.13	17,46	14.16	17,50	14.19	17,54	14.22	17,58	14.26
Module Efficiency (%)	21.10%		21,20%		21,40%		21,60%		21,70%	

MECHANICAL PARAMETERS

Cell Orientation	single crystal PERC 210x105mm (132 pieces)
Junction Box	IP68, three diodes
Output Cable	4.0mm² 300mm(+) / 300mm(-) or customized
Glass	3.2mm tempered coated glass, low iron
Frame	Anodized aluminum alloy frame
Weight	32 - 34.8 kg
Dimensión	2384*1303*35mm
Packaging	31/ 37 pcs*pallet / 558/666pcs*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	30 A
Nominal Operating Cell Temperature	45±2°C
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%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Pmax	-0.35%/°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	17/18

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.