TM Series®

HC ALL BLACK

120 Cells (60) - 166mm

360 - 375 WP

- Mismatch loss reduction for máximum efficiency
- Reduced power loss by minimizing the effect of shadow shading (**9-12 BusBar**)
- **Positive** (0 - 3%) **tolerance** in all our TM Series® modules
- Proven reliability through PVEL´s weatherproofing tests
- **Fully automated production** at all stages

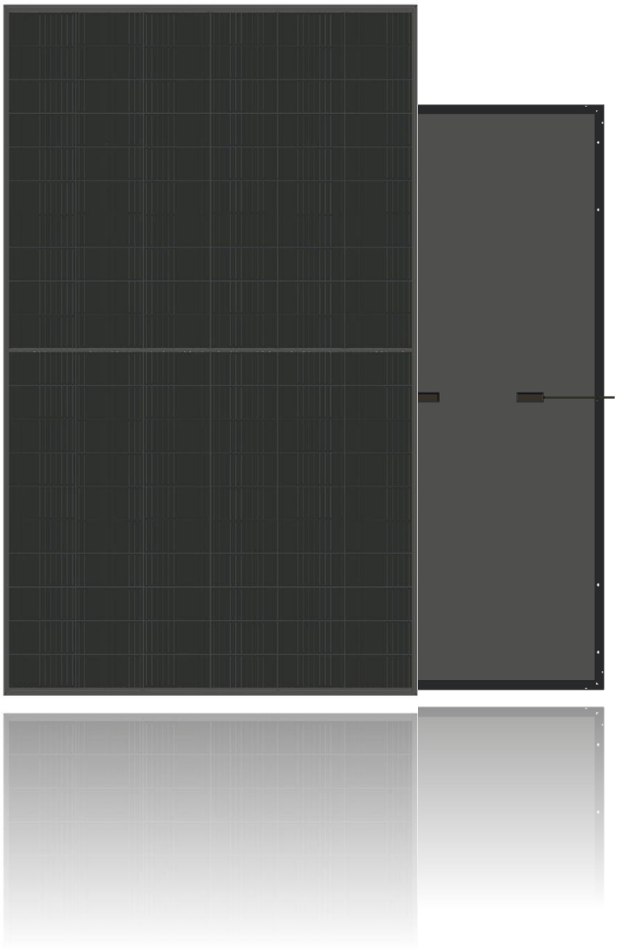
25 YEAR WARRANTY

25-YEAR WARRANTY
MATERIALS & PROCESSING

30 YEAR WARRANTY

30-YEAR WARRANTY
LINEAR POWER OUTPUT

EUROPEAN WARRANTY &
AFTER-SALES SERVICE



Product Certifications

CE
EC 61215
IEC 61730
ISO 9001: Quality Management System
ISO 14001: Environmental Management System

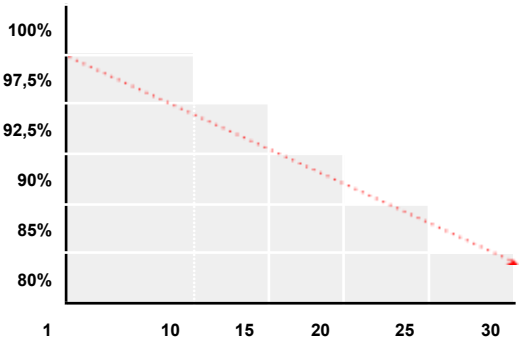
TAMESOL 15 YEARS

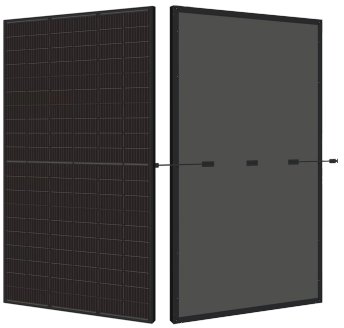
TM Series®

TM 360-375M-120AB

20,59%	0 - 3%	2,5%	0,50%	ALL BLACK
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	Lower operating temperature

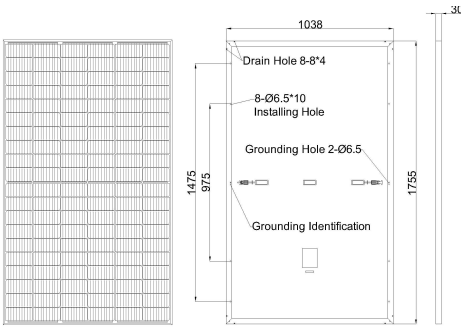
30-Year Linear Power Warranty





Mechanical parameters

Cell Orientation	single crystal PERC166x83mm (120 pieces)
Junction Box	IP68, three diodes
Output Cable	4.0mm² 1200mm(+) / 1200mm(-) or customized
Glass	3.2mm tempered coated glass, low iron
Frame	Anodized aluminum alloy frame
Weight	18,5 kg
Dimensión	1755x1038x30mm
Packaging	36 pcs*pallet / 366 cs*20GP / 1001 pcs*40HC



Electrical Characteristics

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

Module type	TM - 360M-12AB		TM - 365M-120AB		TM - 370M-120AB		TM - 375 M-120AB	
Testing condition	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax/w)	360	268	365	272	370	275	375	279
Open Circuit Voltage (Voc/V)	40,5	38,3	40,7	38,5	40,9	38,7	41,1	38,9
Short Circuit Current (Isc/A)	11,21	8,83	11,28	8,92	11,35	8,97	11,42	9,05
Voltage at Maximum Power (Vmp/V)	33,72	31,90	33,88	32,05	34,05	32,22	34,22	32,39
Current at maximum Power (Imp/A)	10,68	8,41	10,78	8,49	10,87	8,54	10,96	8,62
Module Efficiency (%)	19,76%	14,71%	20,04%	14,93%	20,31%	15,10%	20,59%	15,32%

Operating Parameters

Operational Temperature	-40ºC - +85ºC
Power Output Tolerance	(0, +3%)
Voc and Isc Tolerance	±3%
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	20 A
Nominal Operating Cell Temperature	45±2℃
Protection Glass	Class Ⅱ
Fire Rating	Class C

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	+0.05%/℃
Temperature Coefficient of Voc	-0.27%/℃
Temperature Coefficient of Pmax	-0.35%/℃

TAMESOL 15 YEARS

Specifications included in this datasheet
are subject to change without any notice
TAMESOL reserves the right of final interpretation
(2023200223V1)