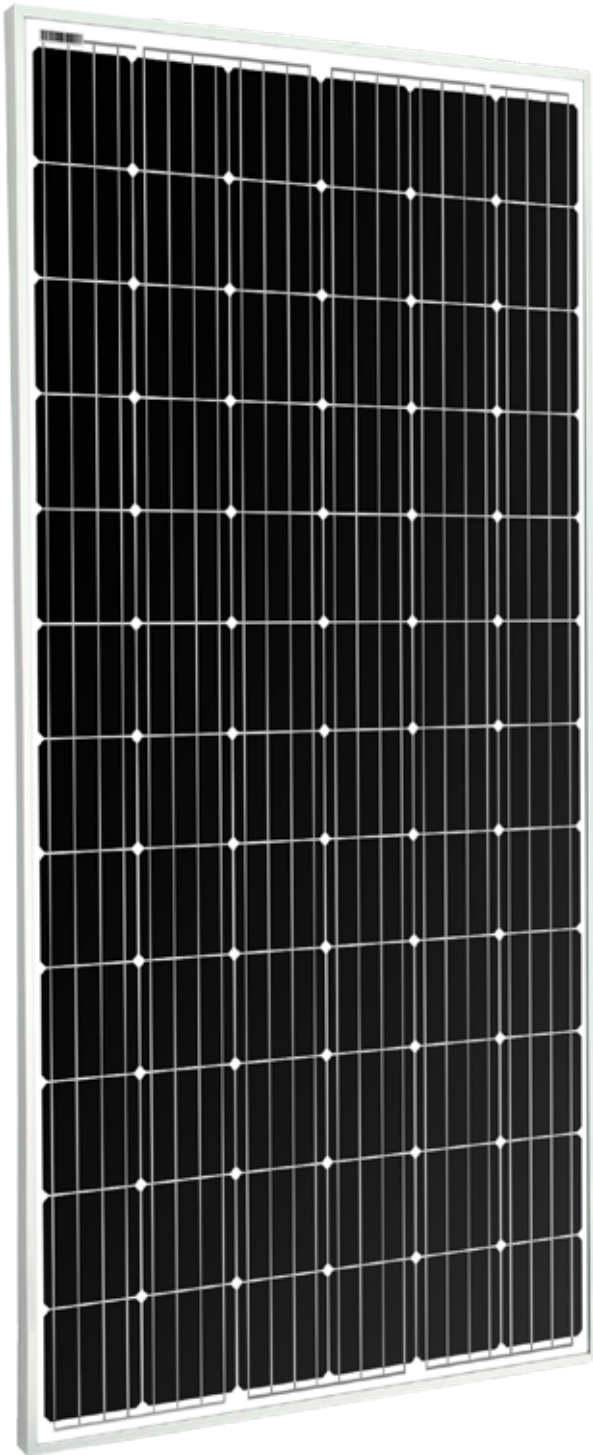


# TM-Series

## TM-M672330/345

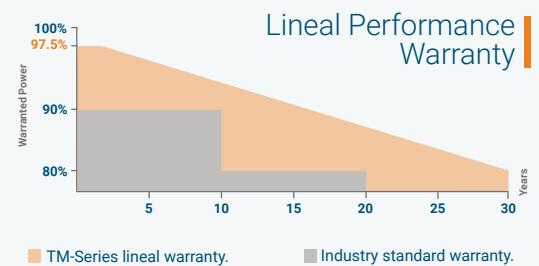


Monocrystalline  
Solar Panels

330-345W  
Power Range

17.80%  
Efficiency

0/+5W  
Tolerance



10 YEARS PRODUCT · 30 YEARS POWER

### Key Features



**High PID resistant**  
TM-Series has proved resistance to degradation induced power.



**Advanced glass**  
High transmission glass resulting in increased energy production.



**High efficiency and durability**  
Manufacturing process certified, excellent performance under low light environments.

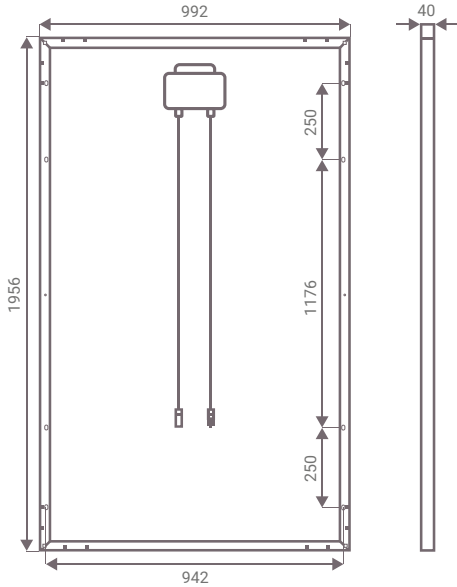


**Robust and corrosion free modules**  
Certified to withstand the most challenging environmental conditions.

# TM-M672330/345

MONOCRYSTALLINE PV MODULES

# TM-Series



## ELECTRICAL DATA

STC	TM M672330	TM M672335	TM M672340	TM M672345
Maximum Power at STC (Pmax)	330 W	335 W	340 W	345 W
Optimum Operating Voltage (Vmp)	37.68 V	37.72 V	37.76 V	38.40 V
Optimum Operating Current (Imp)	8.75 A	8.88 A	9.00 A	9.00 A
Open Circuit Voltage (Voc)	46.72 V	46.75 V	46.80 V	46.80 V
Short Circuit Current (Isc)	9.20 A	9.33 A	9.46 A	9.50 A
Module Efficiency	17 %	17.26 %	17.52 %	17.80 %

Electric characteristics at normal standard conditions (STC)  
STC Conditions: Irradiance: 1.000W/m<sup>2</sup>, cell temperature: 25°C, AM=1.5

NOCT	TM M672330	TM M672335	TM M672340	TM M672345
Maximum Power at NOCT (Pmax)	243 W	247 W	251 W	257 W
Optimum Operating Voltage (Vmp)	35.61 V	35.65 V	35.68 V	35.50 V
Optimum Operating Current (Imp)	6.83 A	6.93 A	7.02 A	7.25 A
Open Circuit Voltage (Voc)	43.87 V	43.90 V	43.95 V	43.40 V
Short Circuit Current (Isc)	7.41 A	7.51 A	7.62 A	7.67 A

Electric characteristics at normal operation conditions (NOCT)  
NOCT Conditions: Irradiance: 800W/m<sup>2</sup>, ambient temperature: 20°C, AM=1.5, wind speed: 1m/s

## GENERAL CHARACTERISTICS

Dimensions	1956x992x40 mm
Weight	23 Kg

## PACKAGING

Modules per Pallet	22
Nº pallets per HC Container 40'	24

The max capacity per container are 628 modules

## TEMPERATURE RATING

NOCT	45 ± 2° C
Coefficient of (Pmax)	-0.48 %/°C
Coefficient of (Voc)	-0.34 %/°C
Coefficient of (Isc)	+0.037 %/°C

## OPERATIVE CONDITIONS

Power Tolerance	0/+5W
Max. System Voltage	1.000 V / 1.500 V
Max. Series Fuse Rating	15 A
Operating Temperature Range	-40° C to 85 °C
Max. Static Load, Front (Snow)	5400 Pa
Max. Static Load, Back (Wind)	2400 Pa
Fire Rating	Class C

## MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline silicon 156x156 mm
Cell Arrangement	72 cells in series
Front Cover	Low-iron tempered glass 3.2 mm
Frame	Anodized aluminum alloy
Encapsulant	EVA (ethylene vinyl acetate)
Junction Box	IP67
Bypass Diodes	3
Cables (length/area)	1000 mm / 4 mm <sup>2</sup> (IEC), 12 AWG (UL)
Connectors	MC4

## CERTIFICATIONS



IEC 61215, IEC 61730, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:27, PV Cycle, MCS, PID, WEEE, UL.

**Caution:**  
To operate, install and manage Tamesol's modules, read the installation manual and use carefully.

**Observations:**  
This Datasheet is subject to change without notice due to continuous improvement of our products. You can find all records of the updates on our website [www.tamesol.com](http://www.tamesol.com) or by contacting one of our sales staff. All rights reserved ©Tamesol ®

Authorized Partner:

