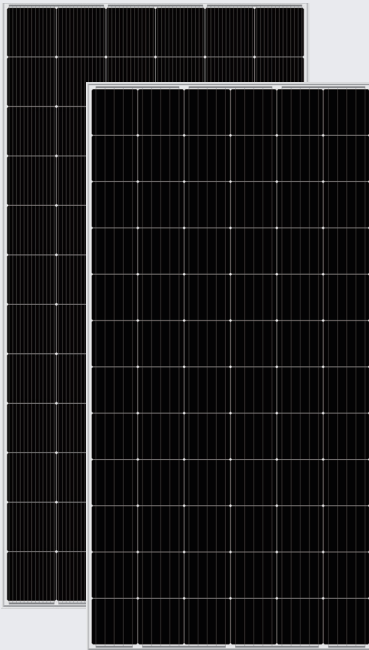


# YCM 72 CELL

Cast Mono

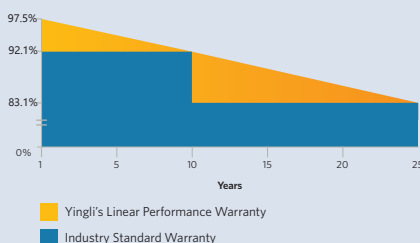


**22.1%**  
CELL EFFICIENCY

**12 YEAR**  
PRODUCT WARRANTY

**0-5W**  
POWER TOLERANCE

## 25 Years Linear Warranty



# IMPROVED POWER NEVER SETTLE FOR LESS

YCM series product, using multi-busbar design, reduced the cells silver paste consumption, improved cells efficiency, achieved the higher modules power output.



### Higher Durability

The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



### High Power Density

High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.



### PID Resistant

Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.



### Bigger Cells with better performance

A slight increase of the size of our cells, Boosts the performance of the newest modules by six percent on average.

### Yingli Green Energy

Yingli Green Energy Holding Company Limited, known as "Yingli Solar", is one of the world's leading solar panel manufacturers with the mission to provide affordable green energy for all. Yingli Solar makes solar power possible for communities everywhere by using our global manufacturing and logistics expertise to address unique local challenges.

# YLM 72 CELL Cast Mono

## ELECTRICAL PERFORMANCE

### Electrical parameters at Standard Test Conditions (STC)

Module type	YLxxxD-36b (xxx=Pmax) YLxxxD-36b 1500V (xxx=Pmax)					
Power output	$P_{max}$	W	375	380	385	390
Power output tolerances	$\Delta P_{max}$	W	0/+5			
Module efficiency	$\eta_m$	%	18.9	19.2	19.4	19.7
Voltage at $P_{max}$	$V_{mpp}$	V	40.05	40.34	40.62	40.91
Current at $P_{max}$	$I_{mpp}$	A	9.37	9.42	9.48	9.54
Open-circuit voltage	$V_{oc}$	V	48.52	48.68	48.83	48.98
Short-circuit current	$I_{sc}$	A	9.99	10.07	10.12	10.17

STC: 1000W/m<sup>2</sup> irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3.  
Average relative efficiency reduction of 3.0% at 200W/m<sup>2</sup> according to EN 60904-1.

### Electrical parameters at Nominal Operating Cell Temperature (NOCT)

Power output	$P_{max}$	W	279.0	282.7	286.4	290.2
Voltage at $P_{max}$	$V_{mpp}$	V	37.2	37.5	37.8	38.0
Current at $P_{max}$	$I_{mpp}$	A	7.50	7.54	7.58	7.63
Open-circuit voltage	$V_{oc}$	V	45.2	45.3	45.4	45.6
Short-circuit current	$I_{sc}$	A	8.07	8.14	8.18	8.22

NOCT: open-circuit module operation temperature at 800W/m<sup>2</sup> irradiance, 20°C ambient temperature, 1m/s wind speed.

## THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45 ± 2
Temperature coefficient of $P_{max}$	$\gamma$	%/°C	-0.35
Temperature coefficient of $V_{oc}$	$\beta_{Voc}$	%/°C	-0.30
Temperature coefficient of $I_{sc}$	$\alpha_{sc}$	%/°C	0.05

## OPERATING CONDITIONS

Max. system voltage	1000V <sub>DC</sub> /1500V <sub>DC</sub>
Max. series fuse rating	20A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

## CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material/ number of busbars)	72 / cast-mono silicon /12 or 5
Frame (material )	anodized aluminum alloy
Junction box (protection degree)	≥ IP67
Cable (length / cross-sectional area)	1100mm / 4mm <sup>2</sup>
Plug connector	MC4 Compatible

- Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.
- The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

## QUALIFICATIONS & CERTIFICATES

IEC 61215, IEC 61730, CE, MCS, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007.



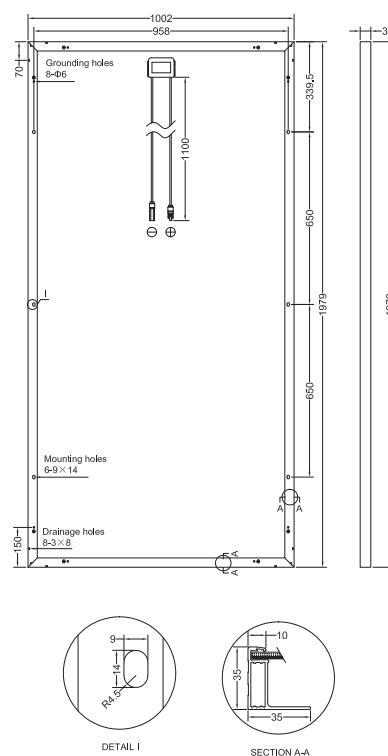
## GENERAL CHARACTERISTICS

Dimensions (L / W / H)	1979mm / 1002mm / 35mm
Weight	22.4kg

## PACKAGING SPECIFICATIONS

Number of modules per pallet	30
Number of pallets per 40' container	22
Packaging box dimensions (L / W / H)	2010mm / 1110mm / 1154mm
Box weight	717kg

Unit: mm



**Warning:** Read the Installation and User Manual in its entirety before handling, installing and operating Yingli Solar modules.

Yingli Partners:

**Yingli Green Energy Holding Co., Ltd.**

service@yingli.com

Tel: +86-312-2188055

**YINGLISOLAR.COM**

