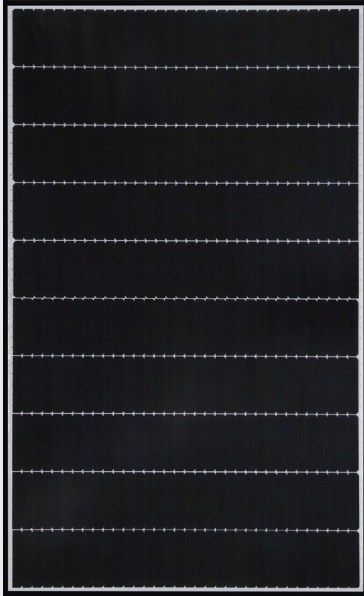


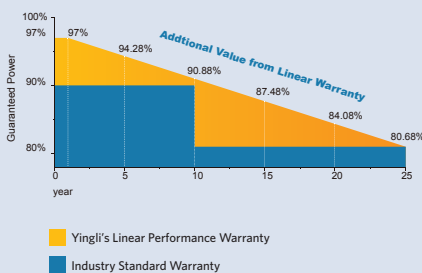
# YLM SHINGLED



**10 YEAR**  
PRODUCT WARRANTY

**0 to +5W**  
POWER SELECTION TOLERANCE

## 25 Years Linear Warranty



## IMPROVED POWER NEVER SETTLE FOR LESS

With over two decades of manufacturing experience and millions of PV systems installed worldwide you can trust that our product quality and long term reliability have been proven in the field.



### Lower temperature

New shingled cell module technology produces more power at an even lower working temperature. This is achieved by reducing the amount of current in each cell by a fifth prolonging the life of the module.



### No solder design

Shingled cell design no longer uses solder to interconnect cells but instead uses conductive bonds. No more visible metal busbars mean more light can reach the cells and produce power.



### High Power Density

An increased power density of the modules leads to a smaller footprint of your system and a decrease in specific system costs.

### Yingli Green Energy

Founded in 1987, Yingli Green Energy Holding Company Limited, known as “Yingli Solar”, is one of the world’s oldest 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 SHINGLED

## ELECTRICAL PERFORMANCE

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

Module type	YL340DS-45b		
Power output	$P_{max}$	W	340
Power output tolerances	$\Delta P_{max}$	W	0 / +5
Module efficiency	$\eta_m$	%	19.65
Voltage at $P_{max}$	$V_{mpp}$	V	37.30
Current at $P_{max}$	$I_{mpp}$	A	9.12
Open-circuit voltage	$V_{oc}$	V	45.35
Short-circuit current	$I_{sc}$	A	9.58

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5  
Measurement tolerance of  $P_{max}$ ,  $V_{oc}$  and  $I_{sc}$  is  $\pm 3\%$ .

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

Power output	$P_{max}$	W	252
Voltage at $P_{max}$	$V_{mpp}$	V	34.5
Current at $P_{max}$	$I_{mpp}$	A	7.31
Open-circuit voltage	$V_{oc}$	V	41.9
Short-circuit current	$I_{sc}$	A	7.73

NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/-3%

## THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45+/-2
Temperature coefficient of $P_{max}$	$\gamma$	%/°C	-0.37
Temperature coefficient of $V_{oc}$	$\beta_{Voc}$	%/°C	-0.28
Temperature coefficient of $I_{sc}$	$\alpha_{Isc}$	%/°C	+0.05

## OPERATING CONDITIONS

Max. system voltage	1000V <sub>DC</sub>
Max. series fuse rating	20A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow)	5400Pa

## CONSTRUCTION MATERIALS

Front cover (material / thickness)	Anti-reflection coated, high transmission, tempered glass / 3.2mm
Cell ( material )	shingled monocrystalline silicon
Frame (material )	anodized aluminum alloy
Junction box (protection degree)	IP68
Cable (length / cross-sectional area)	1000mm / 4mm <sup>2</sup>
Plug connector	TT01

- 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 does not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

## CERTIFICATES

IEC 61215, IEC 61730, CE

Certificates are held by Yingli Energy (China) Co., Ltd., a wholly owned subsidiary of Yingli Green Energy Holding Co., Ltd.



Proudly made in China

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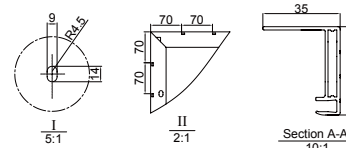
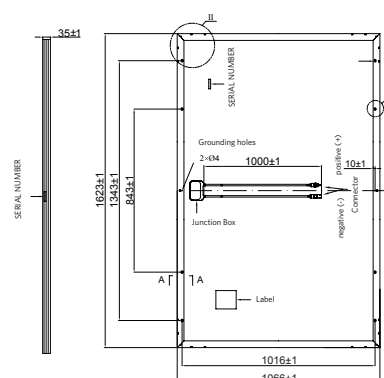
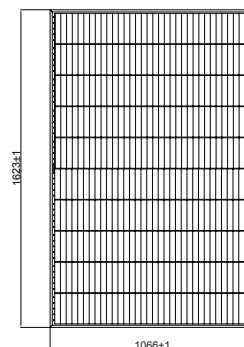
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## GENERAL CHARACTERISTICS

Dimensions (L / W / H)	1623 mm / 1066 mm / 35 mm
Weight	19.0 kg
Fire resistance rating	Class C

## PACKAGING SPECIFICATIONS

Number of modules per pallet	30
Number of pallets per 40' container	28



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

Yingli Partners:

Yingli Green Energy Australia Pty. Ltd.

australia@yingli.com.au

Tel: (02) 8017 8700

[YINGLISOLAR.COM/AU](http://YINGLISOLAR.COM/AU)

