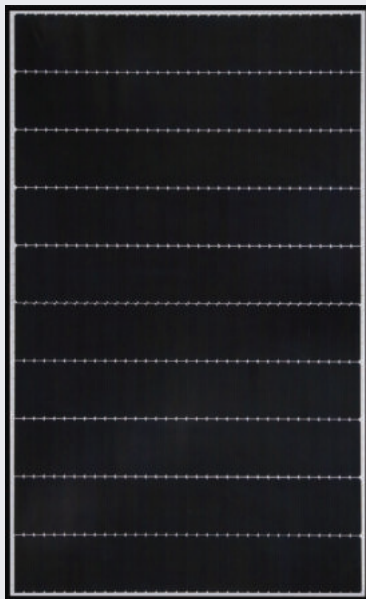


YLM SHINGLED



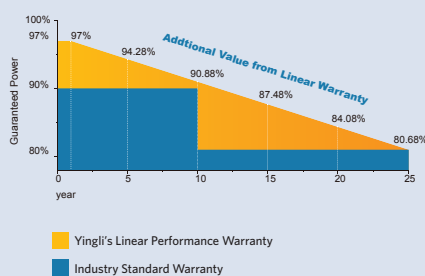
10 YEAR

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	ΔP_{max}	W	0 / +5
Module efficiency	η_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/m² 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/m² ambient temperature 20°C wind speed :1m/s Power measurement tolerance: $\pm 3\%$

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45 \pm 2
Temperature coefficient of P_{max}	γ	%/°C	-0.37
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.28
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	+0.05

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
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 ²
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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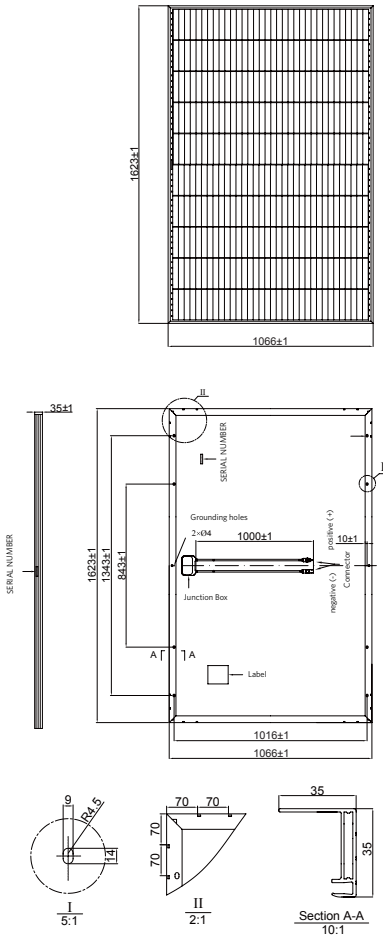
DS_YLM68CELL SHINGLED-45b_1066mm_AU_EN_20200917

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.

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