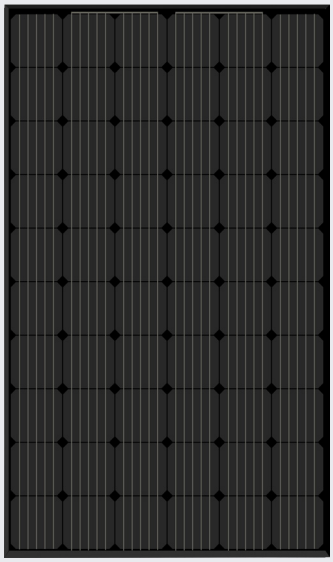
YINGLI SOLAR

YLM-Ti 60 CELL

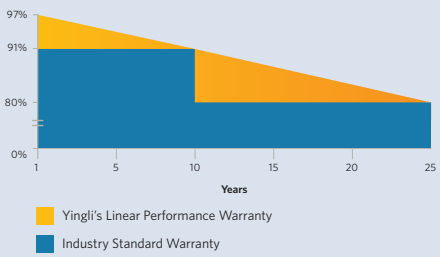


22%
CELL EFFICIENCY

12 YEAR
PRODUCT WARRANTY

0 ± 5W
POWER TOLERANCE

25 Years Linear Warranty



YINGLISOLAR.COM

YINGLI SOLAR
Power Your Life

IMPROVED POWER
NEVER SETTLE FOR LESS

Choosing the best P-type monocrystalline cells, YLM-Ti series modules are making the best out of your system. Trust in the expertise of Yingli and well proven technology.

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.

Advanced Glass
Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.

Yingli Green Energy
Yingli Green Energy Holding Company Limited (NYSE: YGE), 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 60 CELL-Ti

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)				
Module type			YLxxxD-30b (xxx=P_{max}) YLxxxD-30b 1500V (xxx=Pmax)	
Power output	P_{max}	W	315	320
Power output tolerances	ΔP_{max}	W	0 / + 5	
Module efficiency	η_m	%	18.78	19.08
Voltage at P_{max}	V_{mpp}	V	32.8	33
Current at P_{max}	I_{mpp}	A	9.61	9.7
Open-circuit voltage	V_{oc}	V	40.2	40.4
Short-circuit current	I_{sc}	A	9.95	10.03

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 3.0% at 200W/m² according to EN 60904-1.

GENERAL CHARACTERISTICS

Dimensions (L / W / H)	1670mm / 1004mm / 35mm
Weight	19.5kg

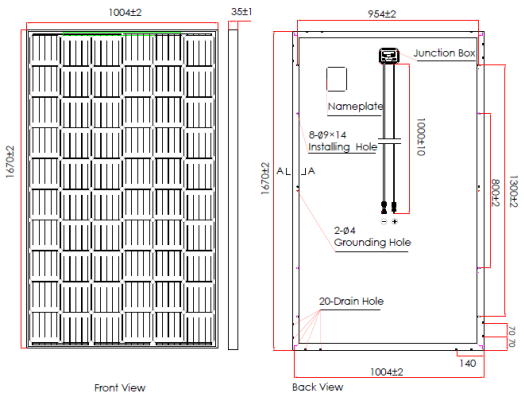
PACKAGING SPECIFICATIONS

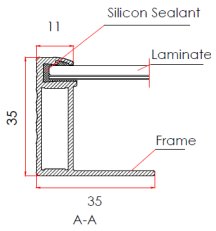
Number of modules per pallet	30
Number of modules per 40' container	896

UNIT: MM

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45 +/- 2
Temperature coefficient of P_{max}	γ	%/°C	-0.39
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.29
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	0.05





OPERATING CONDITIONS

Max. system voltage	$1000V_{DC}$/$1500V_{DC}$
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

*DO NOT CONNECT FUSE IN COMBINER BOX WITH TWO OR MORE STRINGS IN PARALLEL CONNECTION

CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material /number of busbars)	60 / monocrystalline silicon / 5
Frame (material)	anodized aluminum alloy
Junction box (protection degree)	≥ IP67
Cable (length / cross-sectional area)	1000mm / 4mm²

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

Yingli Partners:

• 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, ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007, SA 8000:2015

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