

YLM-T 60 CELL BLACK-BLACK

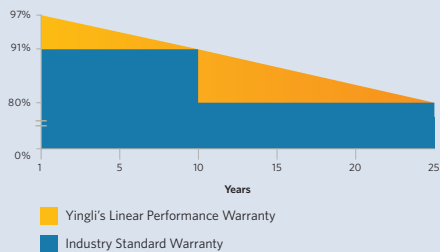


21.6%
CELL EFFICIENCY

10 YEAR
PRODUCT WARRANTY

0-5W
POWER TOLERANCE

25 Years Linear Warranty



IMPROVED POWER NEVER SETTLE FOR LESS

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

+ $\frac{W}{m^2}$ High Power Density
High conversion efficiency and more power output per square meter.

Quality
The quality and reliability of the modules is ensured by most modern production facilities, narrow tolerance limits and strict quality checks like a double 100% EL check.

Low Light Behavior
The excellent low light behaviour of less than 4% module efficiency loss at 200W/m² means higher yields and improved profitability of your system.

Current Binning
A classification of the modules based on their current reduces mismatch losses and is increasing the system performance by up to 2%.

Performance Modelling

For those interested in obtaining panel performance modeling files for system energy yield simulation, please contact Yingli at simulation@yingliamericas.com.

Qualifications & Certificates



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ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type	YLxxxD-30b Black (xxx=P _{max})						
Power output	P _{max}	W	295	300	305	310	315
Power output tolerances	ΔP _{max}	W	0 / +5				
Module efficiency	η _m	%	18.1	18.4	18.8	19.1	19.4
Voltage at P _{max}	V _{mpp}	V	32.4	32.8	33.2	33.6	34.0
Current at P _{max}	I _{mpp}	A	9.12	9.16	9.21	9.25	9.29
Open-circuit voltage	V _{oc}	V	39.7	39.9	40.1	40.3	40.5
Short-circuit current	I _{sc}	A	9.64	9.71	9.78	9.85	9.92

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.

Electrical parameters at Nominal Operating Cell Temperature (NOCT)

Power output	P _{max}	W	218	221	225	229	232
Voltage at P _{max}	V _{mpp}	V	30.2	30.5	30.9	31.3	31.7
Current at P _{max}	I _{mpp}	A	7.21	7.24	7.27	7.31	7.33
Open-circuit voltage	V _{oc}	V	37.0	37.2	37.4	37.6	37.8
Short-circuit current	I _{sc}	A	7.79	7.84	7.90	7.96	8.01

NOCT: open-circuit module operation temperature at 800W/m² irradiance, 20°C ambient temperature, 1m/s wind speed.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	44 +/- 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	0.049

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Max. series fuse rating	15A
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C

CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material / dimensions / number of busbars)	60 / monocrystalline silicon / 156.75mm x 156.75mm (+/-0.25)/ 4 or 5
Frame (material)	anodized aluminum alloy
Junction box (protection degree)	≥ IP67
Cable (length / cross-sectional area)	1000mm / 4mm ²
Plug connector (type / protection degree)	MC4/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.

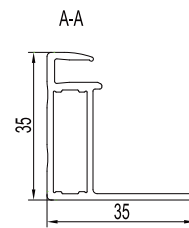
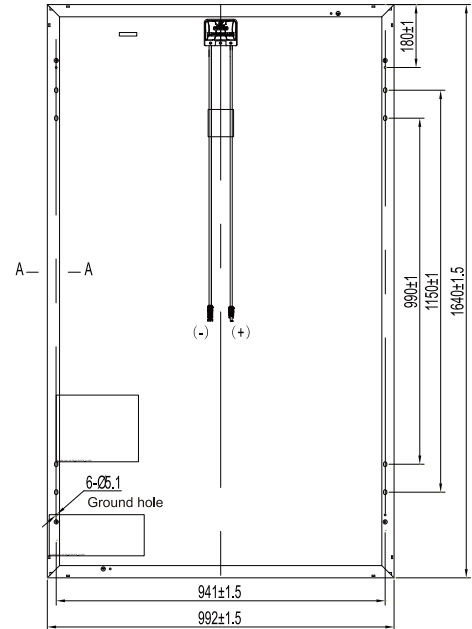
GENERAL CHARACTERISTICS

Dimensions (L / W / H)	1640mm / 992mm / 35mm
Weight	18.5kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	30
Number of modules per 40' HQ container	840

Unit: mm



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

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Power Your Life

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