

**YGE  
72 CELL  
SERIES 2**  
Super

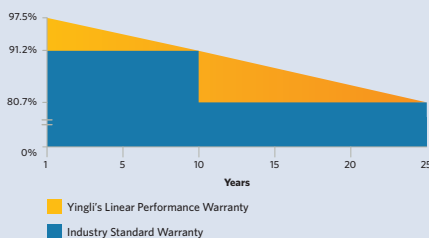


**20.1%**  
CELL EFFICIENCY

**10 YEAR**  
PRODUCT WARRANTY

**0-5W**  
POWER TOLERANCE

**25 Years Linear Warranty**



**IMPROVED POWER  
NEVER SETTLE FOR LESS**

Independently tested for proven product quality and long-term reliability. Millions of PV systems installed worldwide demonstrate Yingli's industry leadership.



**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.

# YGE 72 CELL SERIES 2

## ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)												
Module type	YLxxxP-35b (xxx=Pmax) YLxxxP-35b 1500V (xxx=Pmax)											
Power output	$P_{max}$	W	335	340	345	350	355	360	365	370	375	380
Power output tolerances	$P_{max}$	W	0/+5									
Module efficiency	$\eta_m$	%	16.9	17.1	17.4	17.7	17.9	18.2	18.4	18.7	18.9	19.2
Voltage at $P_{max}$	$V_{mpp}$	V	37.70	37.20	37.55	37.88	38.22	38.55	38.88	39.20	39.52	39.84
Current at $P_{max}$	$I_{mpp}$	A	8.89	9.14	9.19	9.24	9.29	9.34	9.39	9.44	9.49	9.54
Open-circuit voltage	$V_{oc}$	V	45.7	46.4	46.7	46.9	47.2	47.4	47.7	47.9	48.2	48.4
Short-circuit current	$I_{sc}$	A	9.37	9.55	9.61	9.67	9.73	9.79	9.85	9.91	10.02	10.08

STC: 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3.  
Average relative efficiency reduction of 3.3% at 200W/m<sup>2</sup> according to EN 60904-1.

Electrical parameters at Nominal Operating Cell Temperature (NOCT)												
Power output	$P_{max}$	W	247.1	250.8	254.5	258.2	261.8	265.5	269.2	272.9	276.6	280.3
Voltage at $P_{max}$	$V_{mpp}$	V	34.7	34.3	34.6	34.9	35.2	35.5	35.8	36.1	36.4	36.7
Current at $P_{max}$	$I_{mpp}$	A	7.11	7.31	7.35	7.39	7.43	7.47	7.51	7.55	7.59	7.63
Open-circuit voltage	$V_{oc}$	V	42.5	43.2	43.4	43.6	43.9	44.1	44.3	44.6	44.8	45.0
Short-circuit current	$I_{sc}$	A	7.57	7.72	7.76	7.81	7.86	7.91	7.96	8.01	8.10	8.14

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	-0.39
Temperature coefficient of $V_{oc}$	$\beta_{V_{oc}}$	%/°C	-0.30
Temperature coefficient of $I_{sc}$	$\alpha_{I_{sc}}$	%/°C	0.05

## OPERATING CONDITIONS

Max. system voltage	1000V <sub>oc</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

\*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)	72 / multicrystalline silicon / 12 or 5
Frame (material)	anodized aluminium alloy
Junction box (protection degree)	≥ IP67
Cable (length / cross-sectional area)	1100mm / 4mm <sup>2</sup>

- 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.



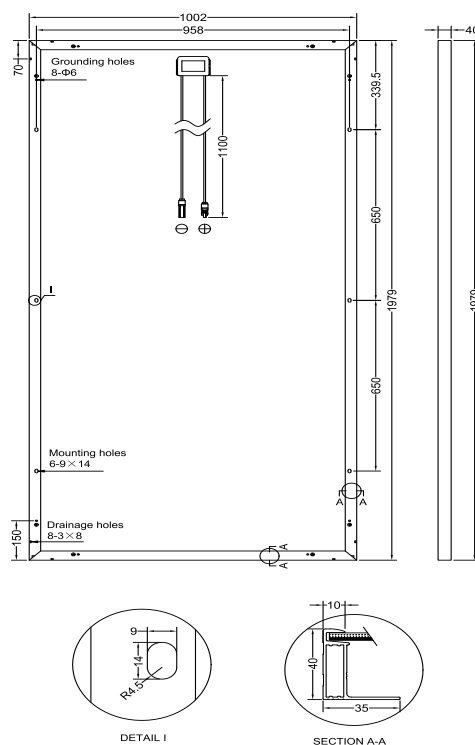
## GENERAL CHARACTERISTICS

Dimensions (L / W / H)	1979mm / 1002mm / 40mm
Weight	22.4kg

## PACKAGING SPECIFICATIONS

Number of modules per pallet	26
Number of pallets per 40' container	22
Packaging box dimensions (L / W / H)	2010mm / 1110mm / 1154mm
Box weight	627kg

Unit: mm



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

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