

# YGE-Z 60 CELL SERIES

YL260P-29b  
YL255P-29b  
YL250P-29b  
YL245P-29b  
YL240P-29b



## THE IDEAL SOLUTION FOR HOMEOWNERS

*The Zep Compatible™ YGE-Z 60 Cell Series delivers superior performance and an elegant aesthetic in residential applications. When mounted with Zep racking systems, it allows for lower balance of system costs and reduced installation times.*

16.0%

MAXIMUM EFFICIENCY

25 YEAR

LINEAR POWER WARRANTY

0-3%

POWER TOLERANCE



### Trusted Partner

Yingli is one of the world's largest solar module manufacturers with over 10 GW deployed worldwide, and Yingli modules are trusted by leading energy providers and financial institutions in nearly 100,000 projects in the Americas.



### More Energy per Watt

Yingli modules deliver superior power output in a variety of temperature and irradiance conditions, and self-cleaning anti-reflective coated glass reduces soiling to help maximize power output. Performance is backed by our 25-year linear warranty.



### Designed to Outlast

Tested to the industry's most rigorous durability standards, Yingli modules are PID-resistant in conformance with IEC 62804. To ensure reliable performance, Yingli uses quality components such as DuPont™ Tedlar® PVF film-based backsheets.



### Best-In-Class Technical Support

Yingli's locally-based engineering team is trained in system design and operations to provide field-support and value-added after sales services, including commissioning and field-testing support. Our PV Testing Lab in California provides a resource for evaluating technical inquiries.

### Warranty Information

Ten-year limited product warranty. Industry leading 25-year performance warranty adds value by guaranteeing power output on an annual basis, in compliance with our warranty terms and conditions.

### Performance Modeling

For those interested in obtaining module performance modeling files for system energy yield simulation, please contact Yingli at [simulation@yingliamericas.com](mailto:simulation@yingliamericas.com).

### Qualifications & Certificates

UL 1703 and UL 1703, CEC, FSEC, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, SA8000



# YGE-Z 60 CELL SERIES

Powered by **YINGLI**

## ELECTRICAL PERFORMANCE

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

Panel type			YL260P-29b	YL255P-29b	YL250P-29b	YL245P-29b	YL240P-29b
Power output	$P_{max}$	W	260	255	250	245	240
Power output tolerances	$\Delta P_{max}$	%			0 / +3		
Panel efficiency	$\eta_m$	%	15.9	15.6	15.3	15.0	14.7
Voltage at $P_{max}$	$V_{mpp}$	V	30.3	30.0	29.8	29.6	29.3
Current at $P_{max}$	$I_{mpp}$	A	8.59	8.49	8.39	8.28	8.18
Open-circuit voltage	$V_{oc}$	V	37.7	37.7	37.6	37.5	37.5
Short-circuit current	$I_{sc}$	A	9.09	9.01	8.92	8.83	8.75

STC: 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM 1.5G spectrum according to EN 60904-3.

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

Power output	$P_{max}$	W	189.7	186.0	182.4	178.7	175.1
Voltage at $P_{max}$	$V_{mpp}$	V	27.6	27.4	27.2	27	26.8
Current at $P_{max}$	$I_{mpp}$	A	6.87	6.79	6.71	6.62	6.54
Open-circuit voltage	$V_{oc}$	V	34.8	34.8	34.7	34.6	34.6
Short-circuit current	$I_{sc}$	A	7.35	7.28	7.21	7.14	7.07

NOCT: open-circuit panel operation temperature at 800W/m<sup>2</sup> irradiance, 20°C ambient temperature, 1m/s wind speed.

## OPERATING CONDITIONS

Max. system voltage	UL 1000V <sub>DC</sub>
Max. series fuse rating	15A
Limiting reverse current	15A
Operating temperature range	-40 to 185°F (-40 to 85°C)
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

## THERMAL CHARACTERISTICS

Temperature coefficient of $P_{max}$	%/°C	-0.43
Temperature coefficient of $V_{oc}$	%/°C	-0.32
Temperature coefficient of $I_{sc}$	%/°C	0.04
Temperature coefficient of $V_{mpp}$	%/°C	-0.42

## CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material / dimensions)	60 / multicrystalline silicon / 156mm x 156mm
Encapsulant (material)	ethylene vinyl acetate (EVA)
Backsheet (material / color)	fluoropolymer-based with EVA primer / white or black
Frame (material / color)	anodized aluminum / black
Junction box (ingress protection rating)	≥ IP65
Cable (length / cross-sectional area)	1200mm / 4mm <sup>2</sup>
Connector (type / ingress protection rating)	Amphenol H4 / IP68

## GENERAL CHARACTERISTICS

Module dimensions (L / W / H)	64.96in (1650mm) / 38.98in (990mm) / 1.57in (40mm)
Module weight	43.4lbs (19.7kg)
Number of modules per pallet	26
Number of pallets per 40' container	28
Packaging box dimensions (L / W / H)	67.32in (1710mm) / 45.67in (1160mm) / 46.38in (1178mm)
Packaging box weight	1202lbs (545kg)
Fire classification type	Type 1 and Type 2



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

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Units: inch (mm)

