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.

#### Qualifications & Certificates

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







1.57 (40)

### YGE-Z 60 CELL SERIES

#### **ELECTRICAL PERFORMANCE**

Electrical parameters at Standard Test Conditions (STC)							
Panel type			YL260P-29b	YL255P-29b	YL250P-29b	YL245P-29b	YL240P-29b
Power output	P <sub>max</sub>	w	260	255	250	245	240
Power output tolerances	ΔP <sub>max</sub>	%			0/+3		
Panel efficiency	2m	%	15.9	15.6	15.3	15.0	14.7
Voltage at P <sub>max</sub>	V <sub>mpp</sub>	V	30.3	30.0	29.8	29.6	29.3
Current at P <sub>max</sub>	Ітрр	Α	8.59	8.49	8.39	8.28	8.18
Open-circuit voltage	Voc	V	37.7	37.7	37.6	37.5	37.5
Short-circuit current	Isc	Α	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 <sub>max</sub>	w	189.7	186.0	182.4	178.7	175.1
Voltage at P <sub>max</sub>	V <sub>mpp</sub>	V	27.6	27.4	27.2	27	26.8
Current at P <sub>max</sub>	Impp	Α	6.87	6.79	6.71	6.62	6.54
Open-circuit voltage	Voc	v	34.8	34.8	34.7	34.6	34.6
Short-circuit current	Isc	Α	7.35	7.28	7.21	7.14	7.07

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

#### **OPERATING CONDITIONS**

Max. system voltage	UL 1000Vpc	
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 Pmax	%/°C	-0.43
Temperature coefficient of V₀c	%/°C	-0.32
Temperature coefficient of I₅c	%/°C	0.04
Temperature coefficient of V <sub>mpp</sub>	%/°C	-0.42
Femperature coefficient of Isc	%/°C	0.04

#### **CONSTRUCTION MATERIALS**

Front cover (material / thickness)	low-iron tempered glass / 3.2mm		
Front cover (material / tillckness)	iow-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 / 4mm²		
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	

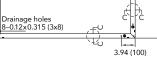
Warning: Read the Installation and User Manual in its entirety before handling, installing, and operating Yingli modules.

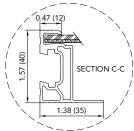
# 38.07 (967) Grounding holes⊖ 6–ø0.236 (6)

38.98 (990)

36.85 (936)

Units: inch (mm)





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