

# JS 60 SERIES

## ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)			
Module name			YLxxxP-17b 3/8 (xxx=Pmax)
Power output	$P_{max}$	W	60
Power output tolerances	$\Delta P_{max}$	%	$\pm 5$
Module efficiency	$\eta_{in}$	%	15.2
Voltage at $P_{max}$	$V_{mpp}$	V	18.4
Current at $P_{max}$	$I_{mpp}$	A	3.26
Open-circuit voltage	$V_{oc}$	V	22.4
Short-circuit current	$I_{sc}$	A	3.44

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

## THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	46 +/- 2
Temperature coefficient of $P_{max}$	$\gamma$	%/°C	-0.45
Temperature coefficient of $V_{oc}$	$\beta_{Voc}$	%/°C	-0.37
Temperature coefficient of $I_{sc}$	$\alpha_{Isc}$	%/°C	0.06

## OPERATING CONDITIONS

Max. system voltage	1000 V <sub>DC</sub>
Max. series fuse rating	10A
Limiting reverse current	Don't apply external voltages larger than Voc of the module
Operating temperature range	-40 - 85°C
Max. static load, front (e.g., snow and wind)	2400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

## CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material / dimensions)	36 / multicrystalline silicon / 156.75mm x 59mm
Encapsulant (material)	ethylene vinyl acetate (EVA)
Frame (material / color / anodization color)	anodized aluminum alloy / silver / clear

• 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.

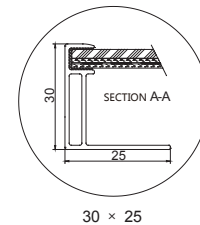
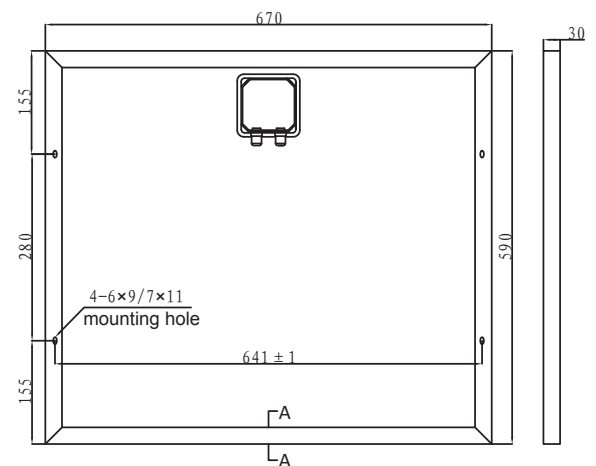
## GENERAL CHARACTERISTICS

Dimensions (L / W / H)	590 mm / 670 mm / 30mm
Weight	4.6 kg

## PACKAGING SPECIFICATIONS

Number of modules per box	6
Packaging box dimensions (L / W / H)	605 mm / 685 mm / 205mm

Unit: mm



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

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