

JS 10 SERIES

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module name			YLxxxP-17b 2/27 (xxx=Pmax)
Power output	$P_{\max}$	W	10
Power output tolerances	$\Delta P_{\max}$	%	± 5
Module efficiency	η_{in}	%	10.6
Voltage at $P_{\max}$	V_{mpp}	V	18.4
Current at $P_{\max}$	I_{mpp}	A	0.54
Open-circuit voltage	V_{oc}	V	22.5
Short-circuit current	I_{sc}	A	0.57

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 5% at 200W/m² according to EN 60904-1.

THE RMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	46 +/- 2
Temperature coefficient of P_{max}	γ	%/°C	-0.45
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.37
Temperature coefficient of I_{sc}	α_{sc}	%/°C	0.06

OPERATING CONDITIONS

Max. system voltage	1000 V _{DC}
Max. series fuse rating	2A
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 g lass / 3.2mm
Cell (quantity / material / dimensions)	36 / multicrystalline s ilicon / 77.8mm x23.3mm
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.

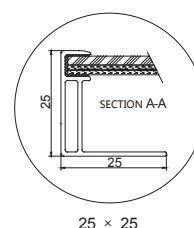
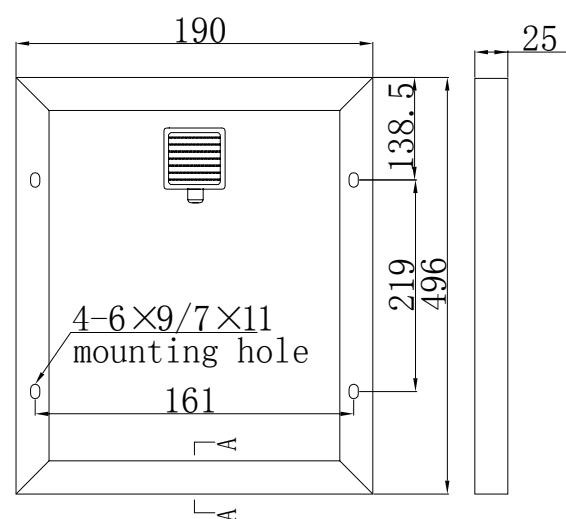
GENERAL CHARACTERISTICS1

Dimensions (L / W / H)	496 mm / 190 mm / 25mm
Weight	1.5 kg

PACKAGING SPECIFICATIONS

Number of modules per box	10
Packaging box dimensions (L / W / H)	511 mm / 205 mm / 285 mm

Unit: mm



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

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