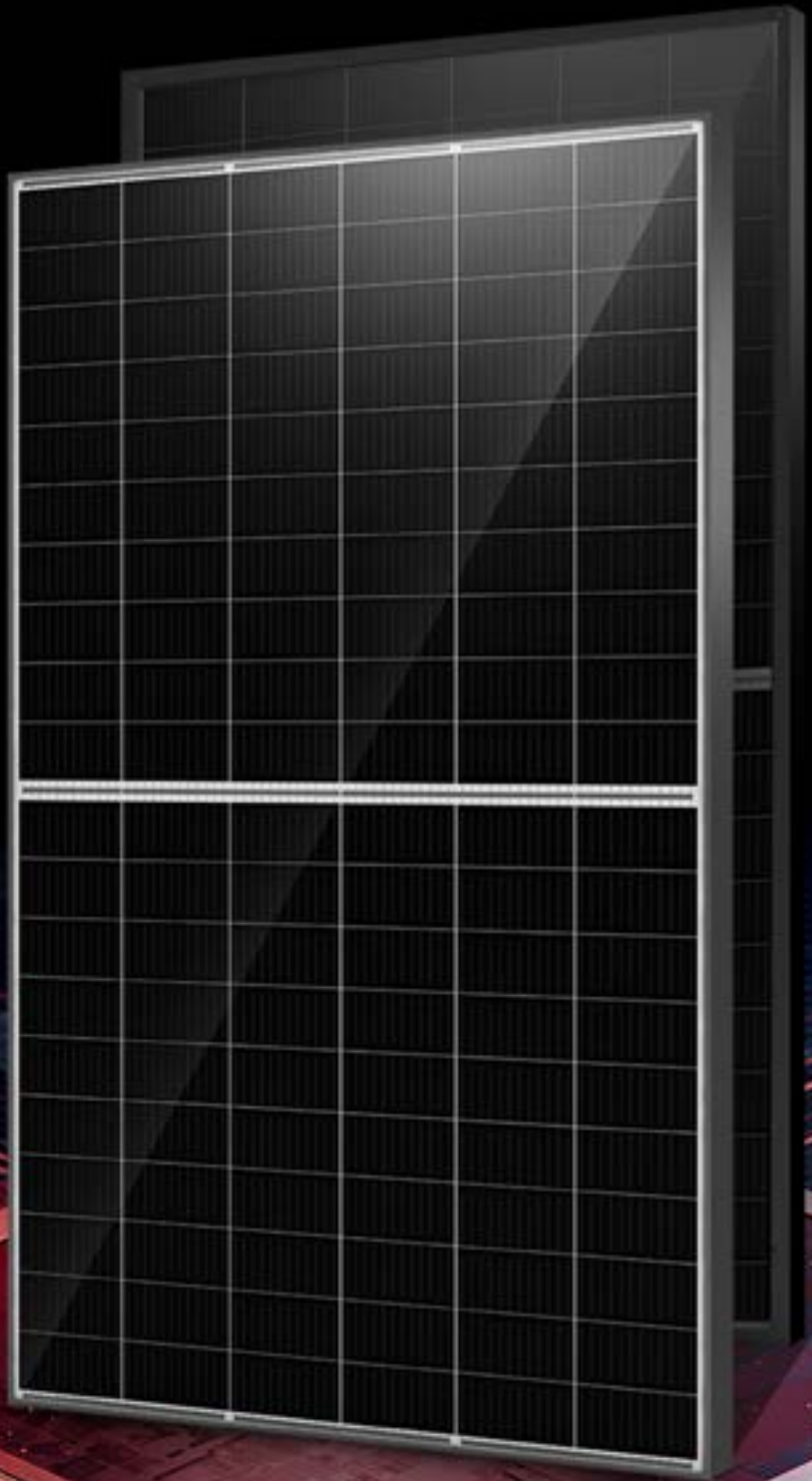


Lion
SERIES

**HETEROJUNCTION
TECHNOLOGY**



THE NEXT GENERATION
OF PV MODULES

RECOM
TECHNOLOGIES®

HETEROJUNCTION TECHNOLOGY

Over 720Wp



ADVANTAGES OF LION HETEROJUNCTION MODULES

HIGH EFFICIENCY

In STC condition, due to the Tandem technology, HJT modules have higher efficiency at least by 1% compared to other technologies. HJT is active on both UV and infrared wavelengths and has a higher light output.

NO LID&PID

HJT has no power loss against 1% first year (LID) and up to 5% after with PID syndrome in standard mono perc module.

Heterojunction (HJT) photovoltaic module is a ground breaking technology. HJT technology guarantees high performance and low degradation of the PV module, substantially improving the results and the yield in the time.

Lion series reach over 720Wp power, 7% higher compared to standard PV modules.



Low temperature coefficient



High energy yield



Low degradation



KEY BENEFITS



Over 23,2%
Module
Efficiency



≥ 91,25% output
after 30 years



Low temperature
coefficient
-0,24% /°C



High
bifaciality



No LID & PID



10% - 35% power
generation gain

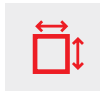
PERFORMANCE AT HIGH TEMPERATURES



HIGHER OUTPUT
IN HOT CLIMATE

+ 1,8 %

Specific yield (kWh/kWp) due
to low temperature coefficient



MORE EFFICIENT
SPACE UTILIZATION

- 6,3 %

Space required for 1MWp
of PUMA modules



HIGHER
GENERATION
PER UNIT AREA

+ 5,9 %

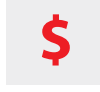
PV plant yield /sq.m.
in hot climate



HIGHER
BIFACIAL FACTOR

+ 4,0 %

Project installed with
sand soil albedo



LOWER
POWER LOSS

+ 5,6 %

PV plant yield in
30 years of using

LOW DEGRADATION

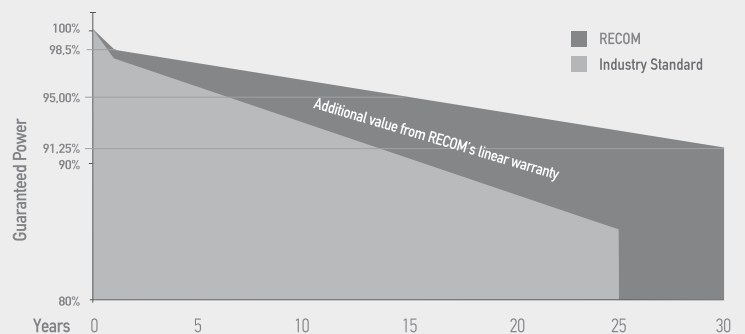
Lion series modules use HJT cell technology, which have lower degradation than Mono PERC panels.

More stable and sustainable electricity production.

Power yield ≥ 95% after 15 years, ≥ 92,5% after 25 years and ≥ 91,25% after 30 years.

HIGHER PERFORMANCE

Gain up to 20% more energy yield, in low-light conditions, in the morning and evening hours and with cloudy skies



First Year Output	≥ 98.5%	2-30 Year Decline	≤ 0.25%	30 Year Output	≥ 91.25%
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Great appearance

BLEND'S PERFECTLY
WITH THE ROOFTOP





HETEROJUNCTION TECHNOLOGY



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