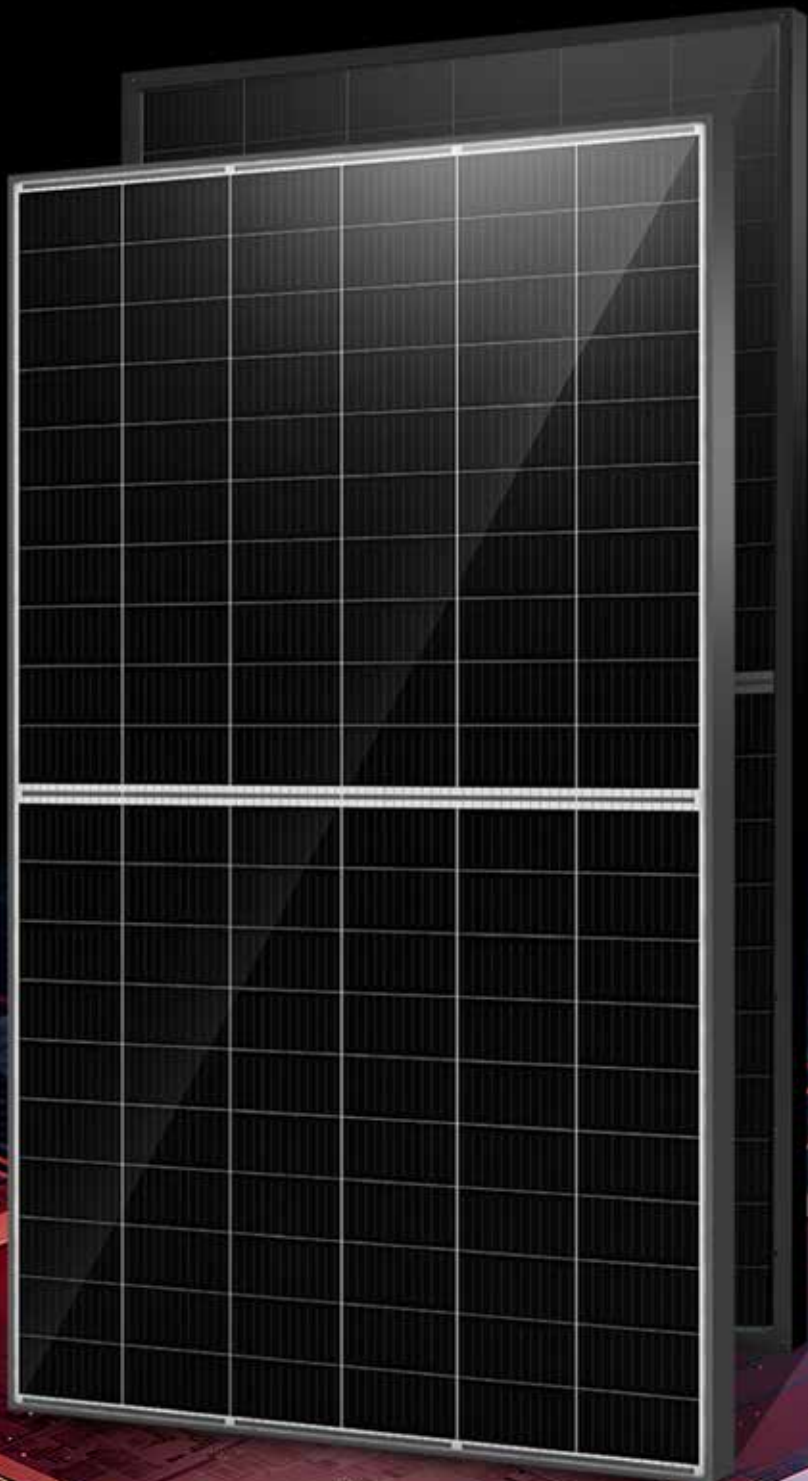


# Lion

SERIES

HETEROJUNCTION  
TECHNOLOGY



THE TECHNOLOGY  
OF THE FUTURE TODAY

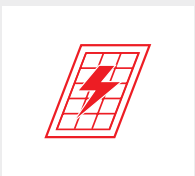
**RECOM**  
TECHNOLOGIES®

## HETEROJUNCTION TECHNOLOGY

From 430Wp & up to 750Wp



### ADVANTAGES OF LION HETEROJUNCTION MODULES



Up to 24,1%  
Module  
Efficiency

#### 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 results and yield over time.

Lion series reaches over 750Wp power, 7% higher compared to standard PV modules.



Low temperature  
coefficient



High energy yield



Low degradation



## KEY BENEFITS



Up to 24,1%  
Module  
Efficiency



≥ 90% Output  
After 30 Years



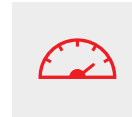
Low Temperature  
Coefficient  
-0,24% /°C



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 LION modules



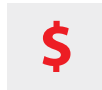
HIGHER  
GENERATION  
PER UNIT AREA

**+ 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

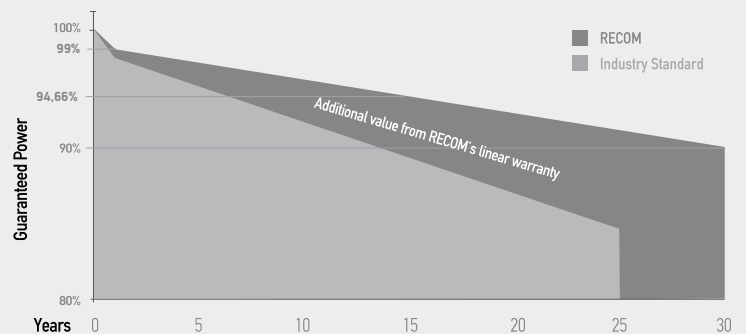
Lion series modules use HJT cell technology, which have lower degradation than Mono PERC panels.

More stable and sustainable electricity production.

Power yield ≥ 94.66% after 15 years, ≥ 92,5% after 25 years and ≥ 90% after 30 years.

### HIGHER PERFORMANCE

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



First Year Output | **≥ 99.0%**    2-30 Year Decline | **≤ 0.31%**    30 Year Output | **≥ 90.0%**

**Great Appearance**

**BLENDS PERFECTLY  
WITH THE ROOFTOP**





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