

**Lion**  
SERIES

**HETEROJUNCTION  
TECHNOLOGY**



THE NEXT GENERATION  
OF PV MODULES

**RECOM**  
TECHNOLOGIES

## HETEROJUNCTION TECHNOLOGY

Over 710Wp



### 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 710Wp power, 7% higher compared to standard PV modules.



Low temperature coefficient



High energy yield



Low degradation



## KEY BENEFITS



Over 22,85%  
Module  
Efficiency



≥ 91,25% output  
after 30 years



Low temperature  
coefficient  
-0,24% /°C



High  
bifaciality



No LID & PID



10% - 35% power  
generation gain

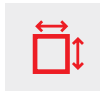
## PERFORMANCE AT HIGH TEMPERATURES



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 %**

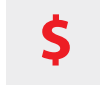
PV plant yield /sq.m.  
in hot climate



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

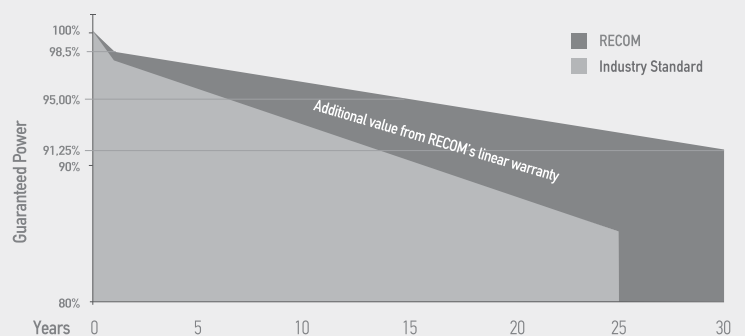
Lion series modules use HJT cell technology, which have lower degradation than Mono PERC panels.

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



**FRENCH MANUFACTURER**



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